

Step 1. Make a field visit if possible to the site.

Step 2. Make your survey request.

- a. Request at least 150' beyond top bank unless you have a situation that you know will require more information.
- b. Request at least 800' into the channel from water's edge
- c. If there was existing revetment, then overlap your request by 300'-400' over the old revetment.

Step 3. A sample Before Construction survey request is on the following three sheets. When you make this request, you will also need to go ahead and make a request for Right of Way (ROW) and Environmental Clearance. Work with Kel Shurden and John McCormick to assure that you request the appropriate place for Mooring and Parking of the units. They have a lot of river experience and will be able to steer you in the right direction. You can also Ask Billy Mitchell for some help in initially locating a potential site.

Attached to the ROW request should be one General Map showing at least the work location(s), river miles, and baseline stations. They only require one copy.

Attached to the Environmental Request should be two copies of the General Map as described above (one for Rumancik and the other McNeil) and a quad map with the location(s) identified. The one with the quad map will go to McNeil.

Following that BC survey request is a sample ROW, Environmental Clearance, and a different beast for revetment design (Mhoon Bend) requests.

Step 4. When you receive the survey data, the hydro portion of the data should be on level 49 and the overbank portion should be on level 59. This information will be helpful if you are going to let the Revetment program triangulate the surface instead of using InRoads. This is usually not recommended because of the time that it will take the program to do this work versus time the InRoads will process the data.

# Sample Before Construction Survey Request:

CEMVM-ED-D (1110)

7 April 03  
Waller/3591

MEMORANDUM FOR

CEMVM-ED-T  
CEMVM-RE-A

SUBJECT: Revetment Before Construction Survey at Milton Bell, MO (Mile 908R AHP).

1. A revetment before construction survey, scale 1:1,000, is requested at Milton Bell, MO (Mile 908R AHP) as follows:

a. Soundings (800 feet from water's edge)

<u>Ranges</u>	<u>Intervals</u>
108-150	100-Ft.
223-255	100-Ft.

b. Bank Sections (150-Ft. behind top bank to water's edge)

<u>Ranges</u>	<u>Intervals</u>
108-150	100-Ft.
223-255	100-Ft.

2. Real estate right-of-entry permits for the above survey should be obtained and furnished CEMVM-ED-T.
3. Completed survey is desired by 28 April 2003.
4. Charge: Contact Derrick Smith at 3481.

Encl.

DARIAN S. CHASTEEN, P.E.  
Team Leader, River Engineering Section

**Sample Right of Way Request:**

CEMVM-ED-D (1110)

21 April 03  
WALLER\3591

MEMORANDUM THRU

CEMVM-ED-D

FOR CEMVM-RE

SUBJECT: Right-of-Way Requirements for 2003 Revetment Construction and Maintenance Sites.

1. Standard revetment construction permits and crop damage agreements are requested at the following locations.

<u>LOCATION</u>	<u>RIVER MILE</u>	<u>RANGE</u>	<u>MOORING &amp; PARKING</u>
ENSLEY, TN	727L	163-178 And 212-228	DIRECTLY DOWNSTREAM WEST MEMPHIS PORT AUTHORITY TERMINAL

2. This site will require a strip 50 feet behind top bank for revetment construction between the above ranges.
3. Also, obtain strip 50 feet wide behind top bank for mooring lines extending approximately 1,000 feet above the upstream range as indicated above.
4. Mooring and parking shall also include permission for parking autos.
5. Permits for the above sites are needed beginning 2 Jun 03. General Maps for the above sites have been previously sent to Real Estate personnel.
6. Charge: Contact Derrick Smith at 3481.

DARIAN S. CHASTEEN, P.E.  
Team Leader, River Engineering Section

# Sample Environmental Clearance Request:

CEMVM-ED-D (1110)

21 April 03

Waller/3591

MEMORANDUM THRU

CEMVM-PM

FOR CEMVM-PM-E

SUBJECT: Additional Sites for Environmental Review of Proposed Revetment Construction for the 2003 Sinking Season in the Memphis District.

1. The following sites are proposed for revetment construction within the Memphis District during 2003.
2. It is requested that Environmental Analysis Branch review the proposed work from an environmental standpoint and furnish any comments by 2 June 03. The review should project impact on endangered species including the least tern and pallid sturgeon, and any other affected areas.
3. The revetment maintenance work is proposed at the following locations:

<u>Location</u>	<u>Range</u>	<u>L.F. ACM</u>	<u>Acm</u>		
Ensley, TN		163-178		1,500	3,300
		212-228		1,600	3,600

The proposed work consists of placement of articulated concrete mattress only. However, some clearing will be required behind top bank for all sites to allow for operation of equipment assisting the sinking plant. Additional sites may be identified later as annuals surveys are received.

5. If there are questions, please contact Kandi Waller at 3591.
6. Charge: Contact Derrick Smith 3481.

DARIAN S. CHASTEEN P.E.  
Team Leader, River Engineering Section

**Sample Survey Request for Mhoon Bend where there was a major failure along with several other small failures:**

CEMVM-ED-D

22 August 2002  
Waller/3591

MEMORANDUM TO

CEMVM-ED-T

CEMVM-RE-A

SUBJECT: Request for Survey – Mhoon Bend

1. Enclosed is a copy of the Tunica, Mississippi Quad Map, a 1998 aerial photo of the area to be surveyed with the baseline on it, and a survey request form.
2. The baseline should be re-established for control and a Digital Terrain Model (DTM) with one foot contours be made in the area.
3. It is requested that a topographic survey be made from water's edge landward 400' past top bank within the Baseline Stations 132+00 to 150+00. The survey shall include the perimeter of all existing structures, particularly the restroom facility, as well as all visible utilities, and trees larger than 24" in diameter. If existing structures are located beyond the requested 400' past top bank, the locations of those structures with the perimeter shall be noted in the survey data. With regard to the restroom area, all structures surrounding the restroom (i.e. ramps and steps) should also be noted in the survey data. From Baseline Station 114+00 to 132+00, the survey shall extend from water's edge landward 200' past top bank. The perimeter of the boat ramp and parking area should be included. Throughout the entire length of survey, the locations of guard rails, top bank, water's edge, and limits of all bank failures should be noted in the survey data furnished.
4. In addition to the topographic survey, it is requested that a hydrographic survey be made from water's edge riverward 500' from Baseline Station 114+00 to 150+00. From Baseline Station 114+00 to 132+00, the survey shall be taken on 100' intervals. From Baseline Station 132+00 to 150+00, the survey shall be taken on 50' intervals.
5. The survey data should be provided in plan view in ".dgn" format along with the DTM data in electronic format. The format should include the coordinate system Universal Transverse Mercator (UTM Zone 15) for the horizontal datum and NGVD 29 for the vertical datum using the North American Datum of 1983 (NAD83) and units in US survey feet.
6. Charges for this project should be made toward Revetment Maintenance as follows:

FWI	001ZH7	WCC	60221
OWI	001ZLP	WCE	D9000
LABOR	L19048		
7. If additional information is required contact Kandi Waller of this office at ext. 3591.

Encls.

Darian S. Chasteen, P.E.  
Team Leader, River Engineering Section

