

ADDENDUM No. 5 TO THE
CONTRACT FOR PURCHASE OF SERVICES
(DESIGN PROFESSIONALS)
WITH STRAND ASSOCIATES, INC.
FOR THE LAKE WINGRA DAM EVALUATION

RECITALS

This addendum is for unrelated work and consists of floodplain model evaluation and floodplain re-mapping for Portage Road Tributary between Flood Insurance Study (FIS) Cross Section "J", which is located immediately downstream of Interstate 39 and FIS Cross Section "F", which is located approximately 1,800 feet downstream of Portage Road.

1. On July 27, 2005, the City of Madison, hereinafter called the "City" and Strand Associates, Inc., hereinafter called the "Consultant" entered into a contract for an Evaluation of the Lake Wingra Dam, authority provided under Legislative File No. 01312.
2. Article 9 and Article 10, of the contract, provided for amendment of the contract for additional services.
3. The City has authority to enter into this addendum provided by Council Legislative File No. 01656.

NOW THEREFORE, The City and the Consultant hereby agree to amend the contract as follows:

SCOPE OF SERVICES AND SCHEDULE OF PAYMENTS

A. PROJECT DESCRIPTION

The Wisconsin Department of Natural Resources (DNR) has recently completed floodplain re-mapping for Dane County, Wisconsin as part of the Map Modernization initiative. DNR has issued Preliminary Digital Flood Insurance Rate Maps (DFIRMs) that include updated floodplain and floodway mapping for a portion of Portage Road Tributary in the City of Madison. This updated mapping does not reflect Portage Road and Hayes Road culvert improvements that were performed in 2003 by the City of Madison.

It is our understanding that the City of Madison wishes to submit revised floodplain mapping, including supporting documentation, at this location to DNR within the 90-day appeal and comment period, which begins on February 9, 2007.

Services under this Addendum (Addendum No. 5) include hydraulic analysis and supporting documentation, as described below:

1. Obtain HEC-RAS hydraulic models from DNR for Portage Road Tributary.
2. Obtain LIDAR topographic mapping and Portage Road and Hayes Road culvert data from the City of Madison.
3. Update floodplain cross sections using HEC-GeoRAS from FIS Cross Section "F" to Section "J".
4. Update HEC-RAS coding for culverts located at Portage Road and Hayes Road.
5. Perform revised hydraulic analysis of Portage Road Tributary between FIS Cross Section "F" and FIS Cross Section "J". This revised analysis shall include a floodway encroachment analysis that incorporates the encroachment stations shown on the Preliminary DFIRMs.
6. Provide a letter to the City (copy to DNR) that summarizes the results of the revised hydraulic analysis and updated floodplain mapping. Supporting documentation shall include the following items:
 - a.) Updated floodplain/floodway mapping
 - b.) Revised HEC-RAS models
 - c.) Annotated flood profiles (FIS Sheets 51P and 52P)
 - d.) Updated Floodway Data Tables
7. One meeting with DNR and City Staff.

D. PROJECT COSTS

Services described will be provided on an hourly basis plus expenses. The limiting fee for services described above is \$4,800. The amount listed above shall not be exceeded without prior written approval of the City.

E. PROJECT SCHEDULE

Services will be completed by March 31, 2007.

IN WITNESS WHEREOF, the parties hereto have set their hands at Madison, Wisconsin.

CONSULTANT:

Strand Associates, Inc.

(print Name of Contracting Entity)

(Witness)

Date: _____

By: _____
(Signature)

Matthew S. Richards

(Print Name Here)

Date: _____

**CITY OF MADISON, WISCONSIN
a municipal corporation**

By: _____
David J. Cieslewicz, Mayor

Date: _____

By: _____
City Clerk

Date: _____

Approved as to Form:

Dean Brassler, City Comptroller

Date: _____

Michael P. May, City Attorney

Date: _____

Kevin Houlihan, Risk Manager

Date: _____

1. **PARTIES.**

This is a contract between the City of Madison, Wisconsin, hereafter referred to as the "City" and Strand Associates, Inc. hereafter referred to as "Consultant."

The Consultant is a:

- | | |
|--|---|
| <input type="checkbox"/> Corporation | <input type="checkbox"/> Limited Liability Company |
| <input type="checkbox"/> General Partnership | <input type="checkbox"/> LLP |
| <input type="checkbox"/> Sole Proprietor | <input type="checkbox"/> Unincorporated Association |
| <input type="checkbox"/> Other: _____ | |

30. **AUTHORITY.**

Consultant represents that it has the authority to enter into this Contract. If the Consultant is not an individual, the person signing on behalf of the Consultant represents and warrants that he or she has been duly authorized to bind the Consultant and sign this Contract on the Consultant's behalf.