

LCSMC PRE-APPLICATION MEETING MINUTES
Village of Barrington Hills – CUBA ROAD BRIDGE

Agency Name: Village of Barrington Hills
Project & Topic: Cuba Road Bridge – HBP Funds
Section Number: #12-00020-00-BR
Date: November 9, 2011
Time: 3:00 PM
Location: Lake County Stormwater Management Commission
Libertyville, Illinois

850 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

820 Lakeside Drive, Suite 5, Gurnee, IL 60031
TEL 847.855.1100 ■ FAX 847.855.1115

www.gha-engineers.com

Attendees: Robert Gardiner, LCSMC
Joanna Colletti, LCSMC
Joseph Hmielecki, LCSMC
Dan Strahan, GHA Inc.
Marcy Knysz, GHA Inc.
Mei Zhu, GHA, Inc.

Meeting Purpose

Review the scope of the project and expected permit requirements. The Cuba Road bridge is located in the Lake County portion of the Village of Barrington Hills. The Village is proposing to utilize Highway Bridge Program (HBP) funds for phase II engineering design and construction. The Village will be utilizing local funds for Phase I engineering design.

Discussion Items

Ms. Zhu reviewed the existing floodplain status for Flint Creek, noting that it is non-designated floodway and that Northwest Highway, approximately 1600' northeast of the bridge, is the upstream limits of the Flood Insurance Study for Flint Creek. Ms. Zhu proposed utilizing the downstream FIS flow rates for the hydraulic study, which would be conservative for this location. Ms. Zhu noted that the project is very similar to the Lake Street Bridge project, which was covered under IDNR statewide permit #12. Ms. Colletti concurred and indicated that as long as the bridge opening is hydraulically equivalent LCSMC would review the project. Ms. Zhu noted that the hydraulic report would likely follow the IDOT format for a Location Drainage Study. Ms. Colletti noted that LCSMC would accept any format for report as long as it has all the required information. (As a followup note based on a kickoff meeting with IDOT, Location Drainage Study is not required for this project. Therefore, the hydraulic report will not follow the format of LDS).

Ms. Colletti noted that there is a significant elevation difference in the water levels of Flint Creek where it crosses Northwest Highway and at the Cuba Road Bridge due to a weir structure near the railroad tracks.

Ms. Zhu requested to supplement the GHA survey of Flint Creek with two-foot contour data for the overbank areas due to a particularly wide floodplain area immediately downstream of the bridge. Ms. Colletti noted that this would be acceptable. Mr. Gardiner noted that there is often an elevation difference between the two foot contours and survey data so they would likely need to be adjusted, but that recently compiled 1' contours may be available soon. GHA was advised to contact Rich Knodel in the Lake County Map Services division to inquire about availability.

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Ms. Knysz reviewed the existing wetlands along Flint Creek, which are understood to be under the jurisdiction of the US Army Corps of Engineers. Mr. Hmieleski concurred but noted that the jurisdictional determination request would still be required even though the jurisdiction is not in doubt. Mr. Hmieleski also noted that there would be no buffer requirements, and that if state funding is involved the requirements of the Interagency Wetlands Policy Act of 1989 (IWPA) apply. The IWPA established the state goal that there be, "no overall net loss of the state's existing wetland acres or their functional values due to state supported activities". Therefore, mitigation is required for all wetland impacts, regardless of the USACE or SMC wetland mitigation threshold.

Mr. Gardiner noted that no detention would be required, but LSCMC would review to ensure that appropriate erosion control and dewatering measures were utilized.

It was noted that the survey should not utilize FEMA benchmarks due to inaccuracies. A nearby LCDOT benchmark was provided. Ms. Colletti also reviewed the Lake County GIS information to determine if any drainage complaints or stormwater permits in the area may be relevant to the project.

These meeting minutes represent the best efforts of Gewalt Hamilton Associates, Inc. to accurately summarize issues discussed at this meeting. Any comments or corrections should be directed to us in writing within seven days.

**These minutes prepared by:
Gewalt Hamilton Associates**



**Daniel J. Strahan, P.E., CFM
Assistant Village Engineer**

bcc: Roads & Bridges