

## **Update on the Mamaroneck-Sheldrake General Re-Evaluation Study As of 4 Jan 2011**

### **Update on Scheduled Activities**

#### **Hydrology & Hydraulics (H&H):**

- Existing Conditions Hydrology. Complete.
- Future Unimproved Hydrology. Complete.
- Existing Conditions Hydraulics. Complete.
- Tidal Fluvial Correlation. Complete.
- Floodplain delineations are being updated based on Existing and Future Unimproved Conditions.
- Alternative 1 (Downstream channel only) evaluation has begun.
- Alternative 2 (Full Mamaroneck-only channel) will follow Alternative 1.
- Executive Summary of multiple author report (regarding northeast rainfall and sea level rise) reviewed by EN.
- River invert comparison with last 25 years will be included in Risk & Uncertainty discussion.

#### **Economics:**

##### Economics - Flood Damage Analysis:

- Structural valuation. Results will feed into HEC-FDA model. Need to meet with EN to confirm reaches. Will need topography data from GIS/EN to feed into HEC-FDA model.
- Risk & Uncertainty (R&U). Follow Engineering Regulation on R&U. Write-up will discuss sequencing of alternatives.
- IPR Input. Outline of approach and data needs.

#### **Real Estate/Rights of Entry:**

- 98/108 ROE's sent out; 10 property ownerships still undetermined. Coordinating with Village.
- 27 fully executed; 4 returned. Need to highlight properties where environmental and cultural surveys will take place.

#### **Environmental, Cultural and HTRW studies:**

- EN questions for PL-E:
  - o Is it permissible to cut into both or just one of the river banks?
  - o Potential Bridge replacements that need to be examined (8 on Mamaroneck River)
    - PL-E asks EN for discussion on options
    - Historical aesthetics an option for new bridges?
  - o EN asks PL-E to consider Pilot Channels, Boulder fields or Log Dams
- Environmental tasks.
  - o Wetlands delineation.
    - Contractor Schedule, need ROE and wait for spring weather to identify leaves, grasses, soils after thaw.
  - o Mitigation site (outside of study area). Same as above.
- Cultural, Historic, WPA Wall related work.

- Coordination with SHPO ongoing.
- Site visit to identify features NRHP eligible.
- Cultural survey.
- HTRW database search report. Near completion.
- Threatened & Endangered Species Coordination. Ongoing.
- Preliminary Draft EIS. Contracting drafting.
- Environmental Model. To be discussed during IPR.

**Formulation Tasks:**

- Contract/Acquisition tools. DCAA Audit. Received authority from CT to proceed with contingent downward revision to negotiate rates based on DCAA audit.
- In Progress Review (IPR) package will go through ATR prior to NAD end of Jan 2011. NAD will receive package for review in early Feb 2011. Package will include discussions on:
  - Existing Conditions
  - Future Without Project Conditions (input from EN)
  - Preliminary H&H
  - Environmental Model
- ATR: Identified review team from Tulsa District, Nashville District and Institute of Water Resources.

Glossary of Acronyms:

USACE – US Army Corps of Engineers; PPMD – Programs & Project Management Division; EN – Engineering Division; PL-F – Planning Division, Formulation Branch; PL-E - Planning Division, Environmental Branch; OC – Office of Counsel; RE- Real Estate Division; CT – Contracting Division; NAD – North Atlantic Division; NYSDEC – New York State Department of Environmental Conservation; CWT – civil works team; PDT – project delivery team; GRR – General Re-evaluation Report; WPA – Works Progress Administration; IDC- Indefinite Quantity Contract; FSM- feasibility scoping meeting; IPR – In-Progress Review; MIPR-military interdepartmental purchase request; NSTR – nothing significant to report; HEC-FDA- Hydrologic Engineering Center-Flood Damage Analysis; GIS – geographic information systems; R&Y – risk and uncertainty; SHPO – State Historic Preservation Office; NRHP – National Register of Historic Places; EIS – Environmental Impact Statement; HTRW – hazardous toxic and radiological waste; DCAA – Defense Contract Audit Agency;