EVANSTON

Lakefront Stabilization

February 10, 2020
LAKE MICHIGAN WATER LEVELS

- In 1986, Lake Michigan at record high (582.3*)
- In 2013, Lake Michigan near record low (576.15*)
- In 2020, Lake Michigan at record high for February (581.59*)

* All data referenced to IGLD 1985 Datum (in feet)
LAKE MICHIGAN WATER LEVELS

• In 2016, Evanston Dog Beach affected
• In Summer 2019, ongoing impacts
  • Shifting rocks in revetment
  • Narrowing beaches

Evanston dog beach, 01/13/20
LAKE MICHIGAN WATER LEVELS

• 8/15/19 – Evanston request for technical assistance from US Army Corps of Engineers (USACE)
• 9/6/19 – USACE inspection
• 10/9/19 – USACE report
  • Revetment repairs
  • Revetment extension
  • Vegetation removal
• Ongoing Events
  • 1/10/20 – Winter Storm/High Wave Event
  • 2/5/20 – Lakefront Advisory/High Wave Event
PARK FLOODING – ELLIOT PARK

ELLIOT PARK - (NE VIEW / S END) 2/5/2020
REVETMENT – GREENWOOD ST BEACH

GREENWOOD ST BEACH HOUSE (E SIDE N VIEW) 2/5/2020
RECOMMENDATIONS

• Contract with SmithGroup to assess damage and recommend repairs
• Get three quotes for construction contract
• Complete most urgent repairs to revetment this summer
• Lakefront Park Cleanup Day(s)
DISASTER DECLARATION

• Declared by the City of Chicago (Mayor Lightfoot) on December 6th
• Cook County now working on Declaring Disaster for 6 communities (Chicago, Wilmette, Winnetka, Evanston, Glencoe, Kenilworth)
• Notified Northwestern as potential candidate
• $20.4 million threshold for Cook County
FUNDING OPPORTUNITIES

• Public Assistance (PA) program
  • Covers repairs only
  • Insurance coverage will offset payout
• Hazard Mitigation Grant Program (HMGP)
  • Covers mitigation only
  • 25% cost share with 75% federal funding
PUBLIC ASSISTANCE PROGRAM

- Cook County declaration enables Evanston to participate
- Started working on January
  - Public Works
  - Parks and Recreation
  - IEMA
  - Cook County officials
- Current Cost out to include labor, equipment, revetment repair, etc.
- Current labor/equipment $79,710.44
- Currently costing out Revetment repairs $5,775,000
HAZARD MITIGATION GRANT PROGRAM (HMGP)

• Applied for 2 mitigation actions
  • Rebuilding underlayment of Revetment
    • $33,984,206
  • Installation of additional Groin Walls
    • $8,550,000