EVANSTON

2020 Shoreline Repairs

August 10, 2020
BACKGROUND

Revetment Deterioration at Greenwood Beach (March 2020)

Flooding at Elliot Park (April 2020)
URGENT NEEDS REPAIR Locations

- Greenwood Beach
- Permanent Revetment Repair
- Temporary Shoreline Barrier
- Dempster Launch Facility
- Permanent Revetment Repair
- Greenwood Street
- Dempster Street
- Burnham Place

City of Evanston
Public Works Agency
URGENT NEEDS REPAIR LOCATIONS

ADJUST EXISTING REVETMENT AND INSTALL TEMPORARY SHORELINE BARRIER
URGENT NEEDS REPAIR LOCATIONS

[Map showing locations for repair needs]
RECOMMENDED REPAIR SOLUTIONS

Permanent Revetment Installation

Permanent Revetment Repair Section
RECOMMENDED REPAIR SOLUTIONS

Temporary Shoreline Barrier
Along Beach Front

Temporary Shoreline Barrier
Along Lake Michigan
# CURRENT AND FUTURE NEEDS AT PRIORITY SITES

<table>
<thead>
<tr>
<th>Priority</th>
<th>Location</th>
<th>Fall 2020</th>
<th>Future</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Greenwood Beach North</td>
<td>Regrade slope, stabilize wall, and install temp flood protection</td>
<td>Install structure to protect beach ($2m -$5m)</td>
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<tr>
<td>2</td>
<td>Elliot Park South</td>
<td>Stabilize wall and install temp flood protection</td>
<td>Rehabilitate 800lf of revetment ($1m -$3m)</td>
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<td>3</td>
<td>Dempster St. Beach House</td>
<td>Rehab 60 lf of revetment ($75k - $150k)</td>
<td>N/A</td>
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<td>4</td>
<td>Garden Park North</td>
<td>Rehab 120 lf of revetment ($100k -$200k)</td>
<td>N/A</td>
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<tr>
<td>Priority 1-4 Costs</td>
<td></td>
<td>$746,400 (bid pricing)</td>
<td>$3.0m - $8.0m (estimated)</td>
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