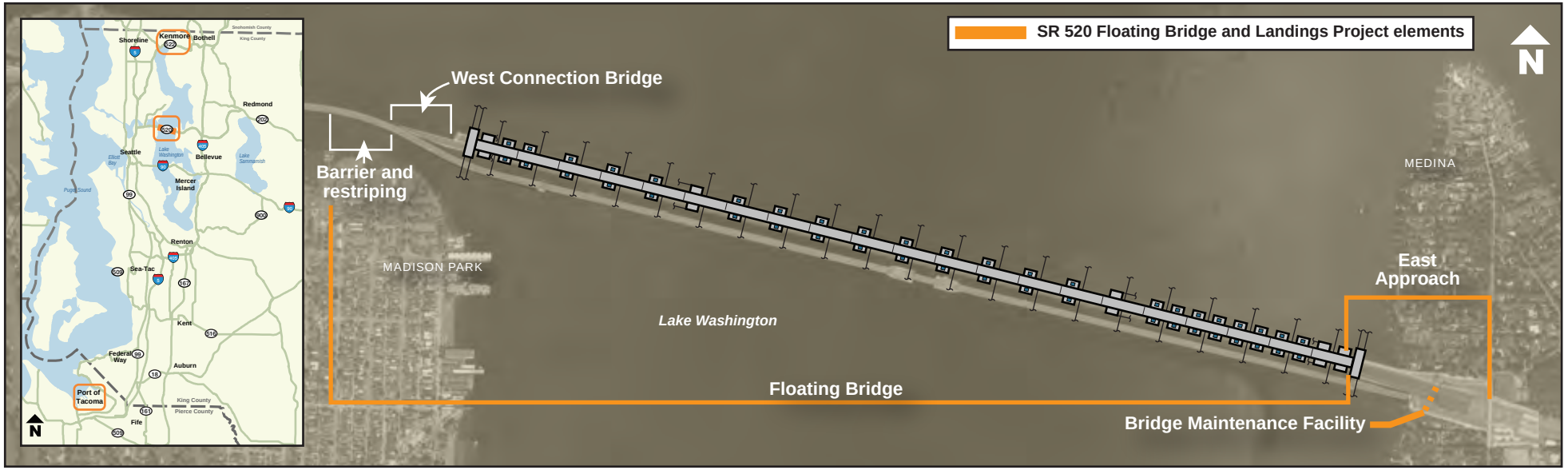
Floating bridge and landings project area



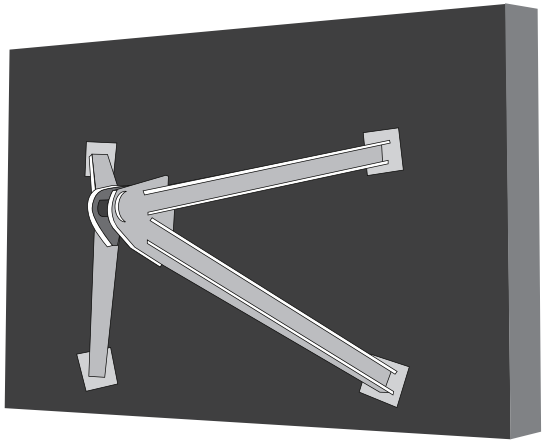
Project elements include:

- Design and construction of:
  - New six-lane floating bridge superstructure and roadway, including HOV lanes and a bicycle/pedestrian path.
  - 44 supplemental stability pontoons.
  - Anchors and anchor cables.
  - Permanent East Approach.
  - Final connection to Evergreen Point Road vicinity.
  - Transition structures between East and West Approaches and floating bridge.
  - New maintenance facility and dock in Medina.
- Towing pontoons to Lake Washington.
- Assembly of the new floating bridge.
- Removal of existing floating bridge and landings.

Anchors for the new State Route 520 floating bridge

The new State Route 520 floating bridge will be secured to the bottom of Lake Washington by 58 anchors.

FLUKE ANCHORS



Dimensions: 35’ X 26’ X 17.5’

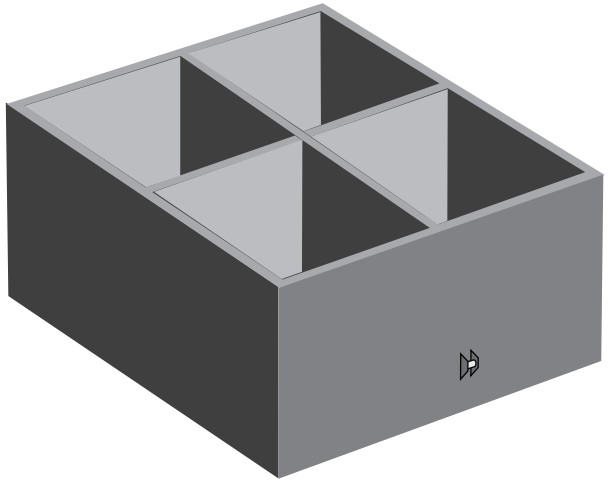
Weight: 100 tons

Quantity: 45

Locations: Deep, soft soils of the lakebed and flat areas.

Manufactured: Kenmore

GRAVITY ANCHORS



Dimensions: 40’ X 40’ X 23’

Weight: 420 tons as built;
587 tons fully loaded

Quantity: 8

Locations: Solid soils with sloped topography, typically near shore. Underwater grading and installation of gravel creates a level footing for anchor placement.

Manufactured: Kenmore

DRILLED SHAFT ANCHORS

Dimensions: 10’ diameter drilled shaft, 79’-92’ long

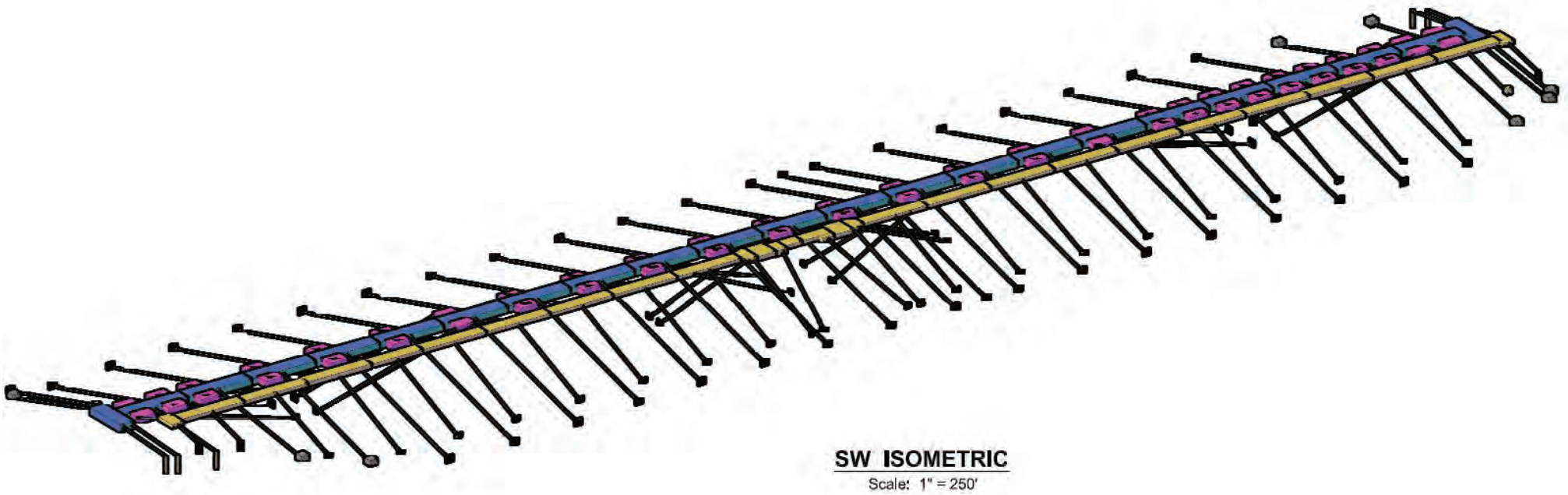
Quantity: 5

Locations: Solid soils near shore where gravity anchors may cause navigation hazard.

Manufactured: Concrete cast in place from a barge on Lake Washington

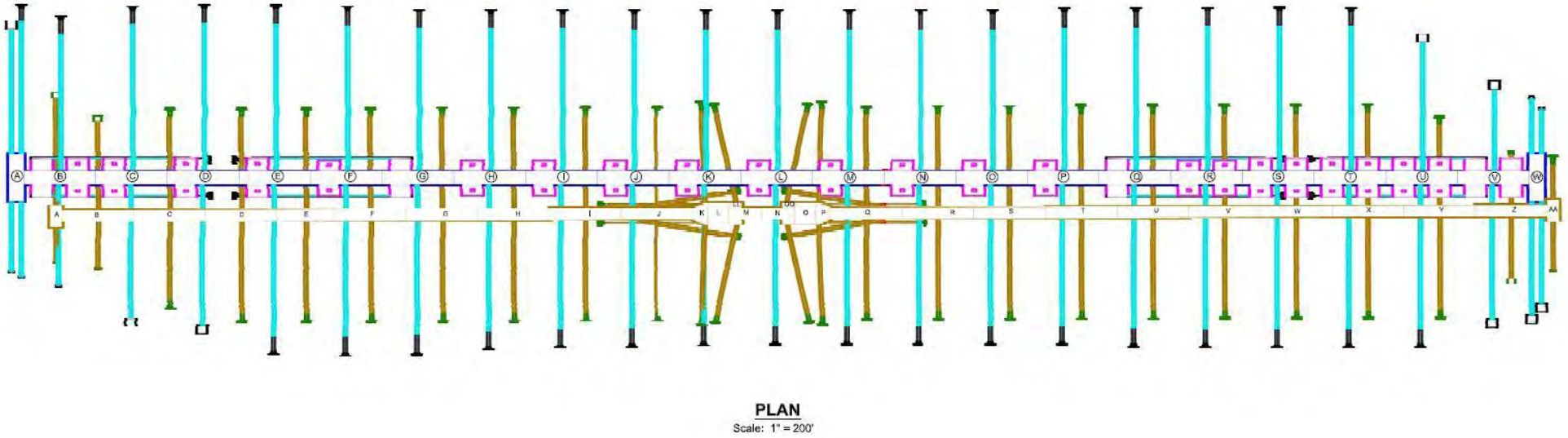
Anchor and cable locations - existing and new floating bridge

Visualization



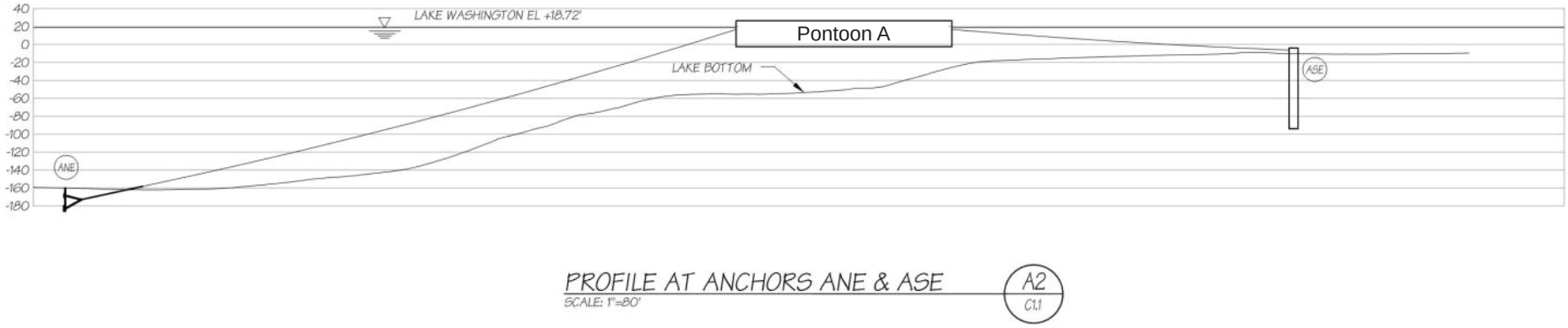
Anchor and cable locations - existing and new floating bridge

Plan view



Pontoon A anchor and cable locations

Profile view

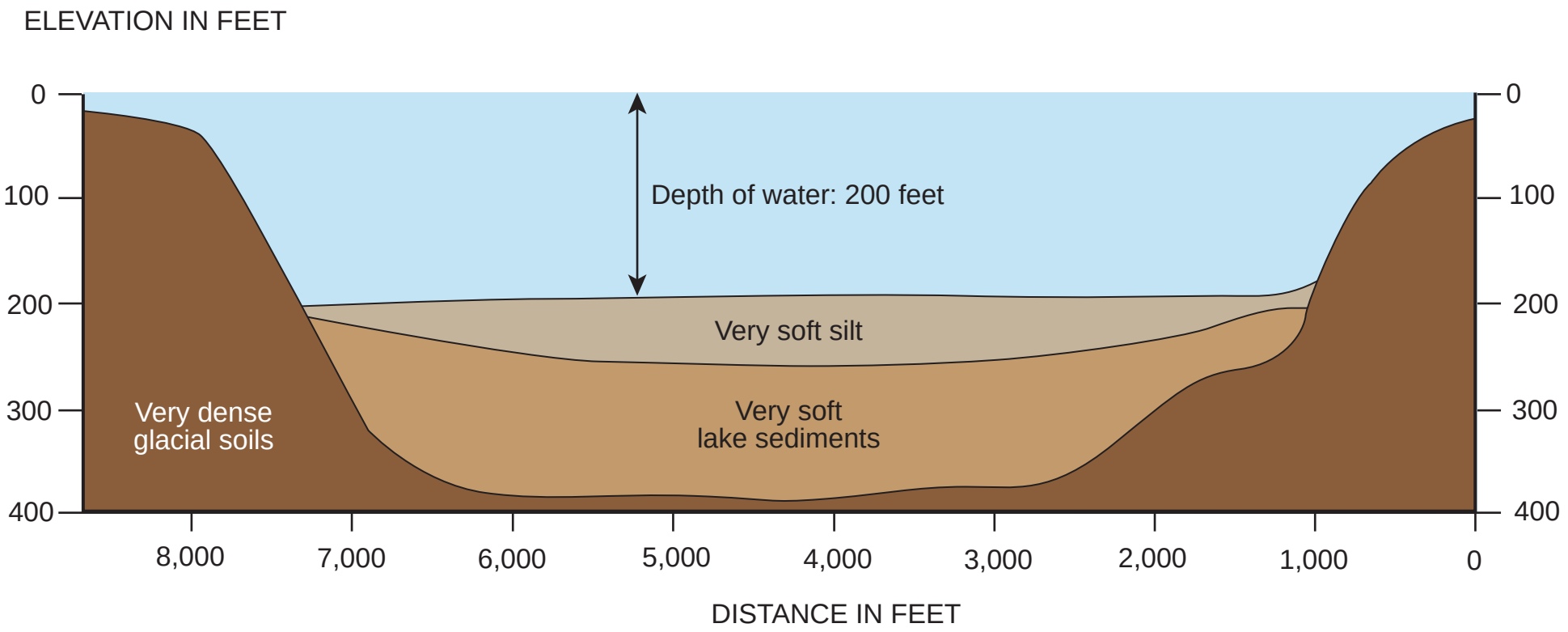


PROFILE AT ANCHORS ANE & ASE
SCALE: 1"=80'
A2
C1.1

Fluke anchors on Lake Washington

Fluke anchors being prepared for placement on Lake Washington.

General geologic conditions of Lake Washington



Note: updated 3/14/13 based on data from KGM.