

Bridges Supported on EPS Geof foam



Hjelmungen Bridge, Norway

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International Collaboration to Construct Permanent Structures Founded on EPS

- Norway (Norwegian Public Road Administration)
- U.S.
 - University of Utah
 - University of Memphis
- Netherlands
- Japan
- Turkey?

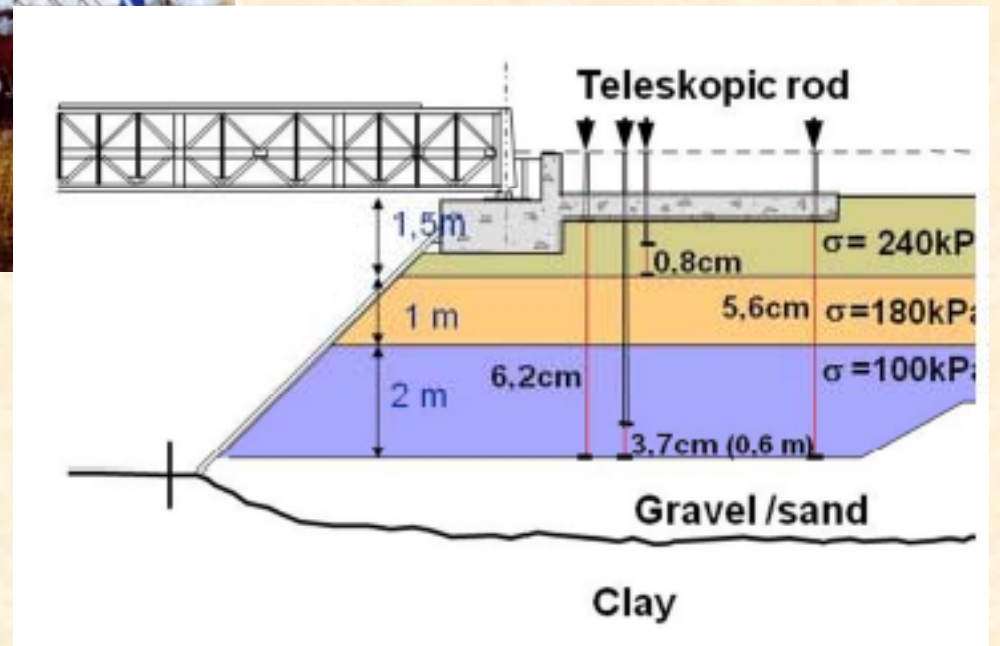
Accelerated Bridge Construction on Soft Ground Sites

- **Rapid Embankment / Foundation Construction**
 - Days to a few weeks
 - Low overhead conditions and restricted space
- **Elimination of Damaging Settlements**
 - Adjacent structures and facilities
 - Buried utilities
- **Cost Savings**
 - Construction
 - Reduced traffic impacts
 - Improved long-term settlement performance and safety

Temporary Overpasses



Lokkeberg Bridge, Norway

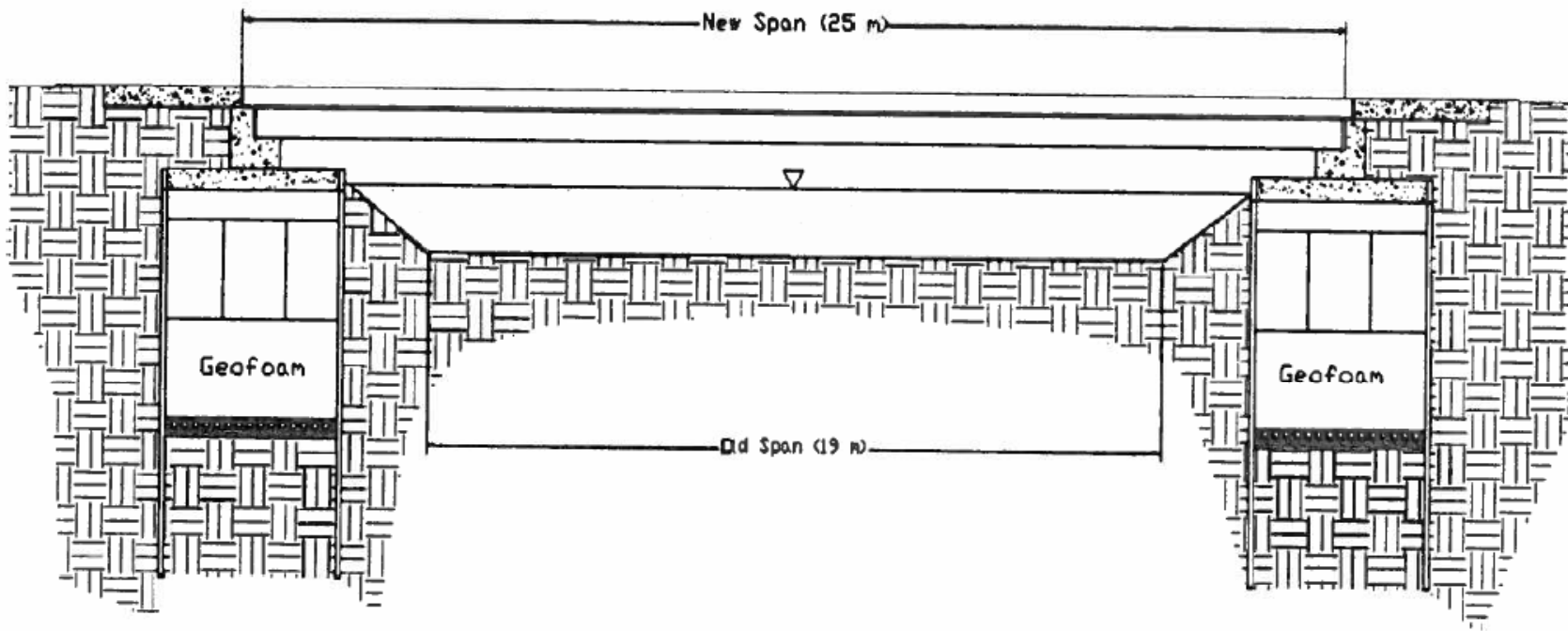


Permanent Structures



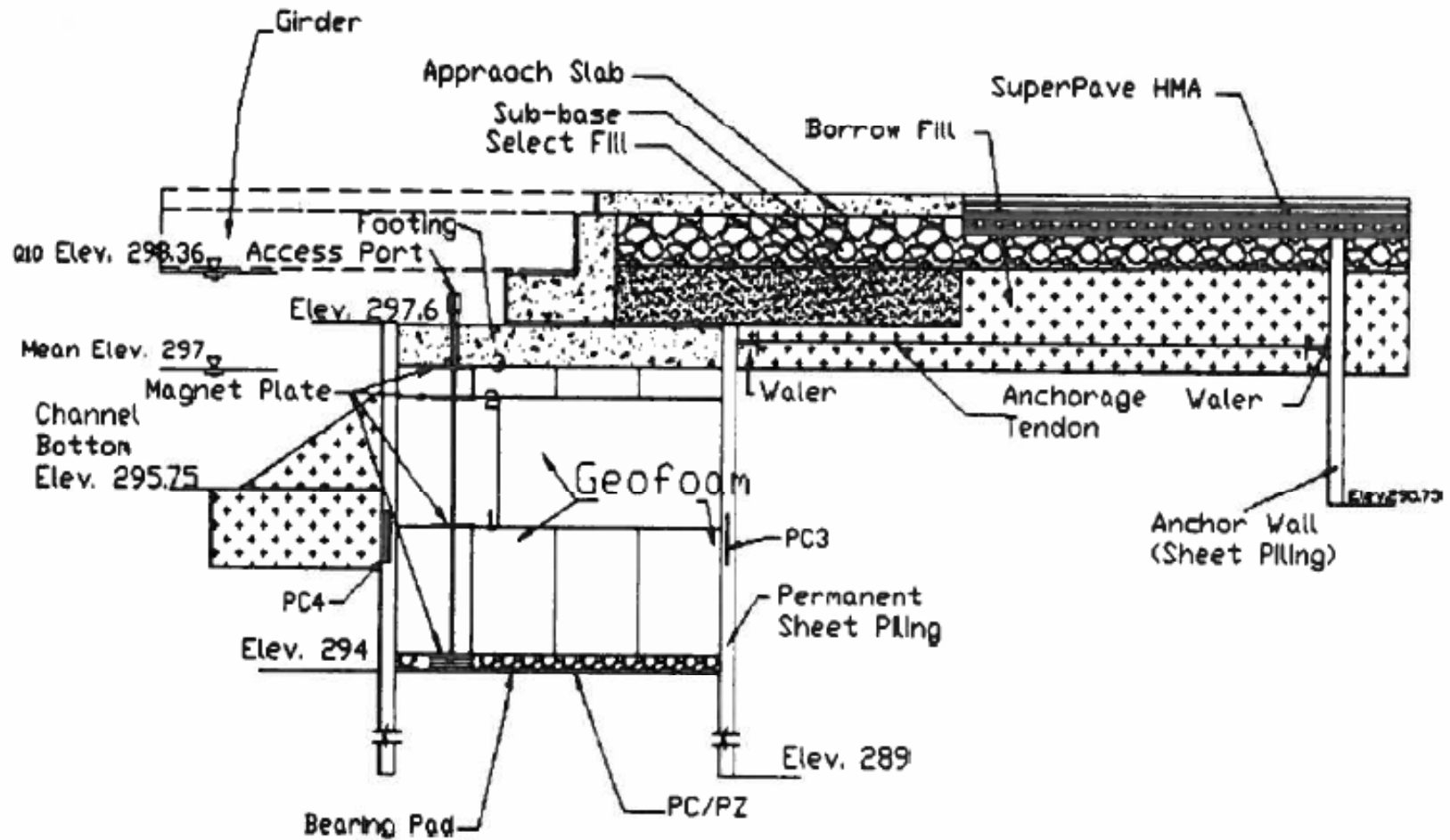
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NYDOT System



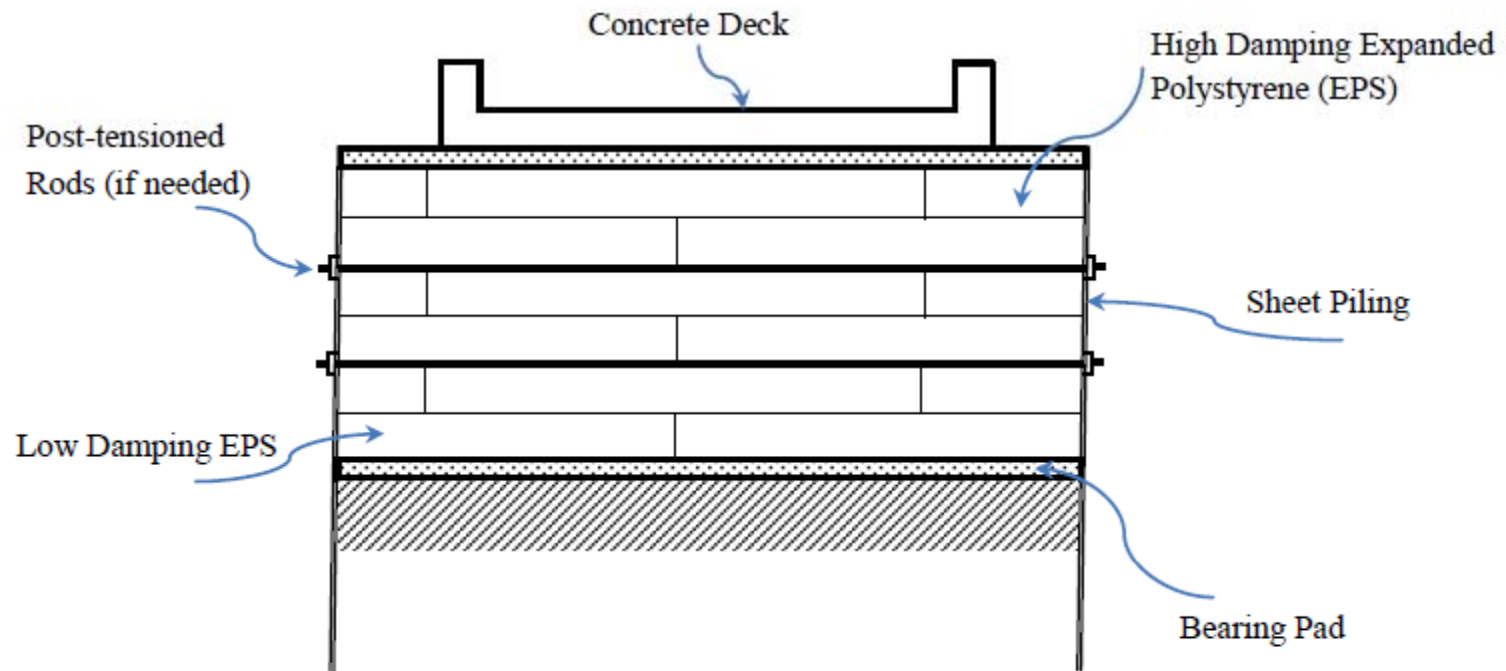
Fully compensated sheetpile and EPS foundation system – NYDOT - Buffalo N.Y.

NYDOT System (cont)



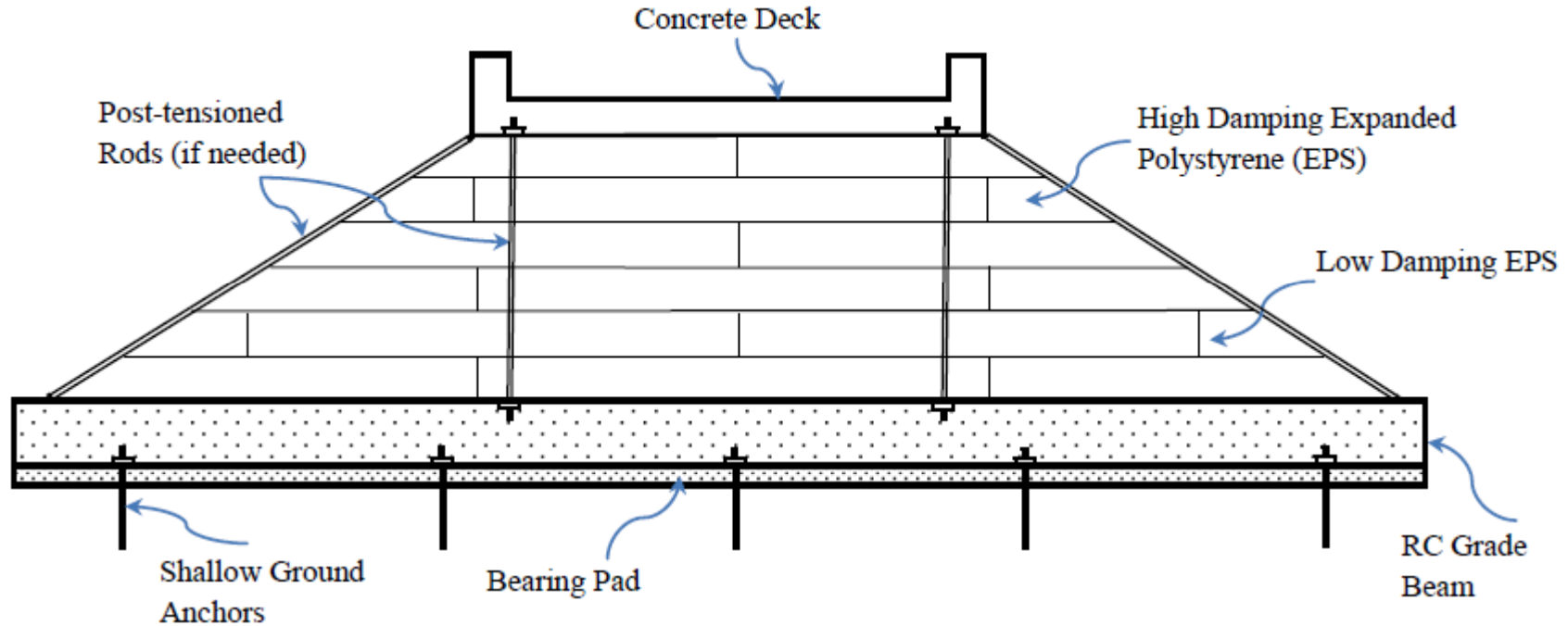
Seismic Restraint Systems

VERTICAL EMBANKMENT ALTERNATIVE



Seismic Restraint Systems

SLOPED EMBANKMENT ALTERNATIVE



Questions

