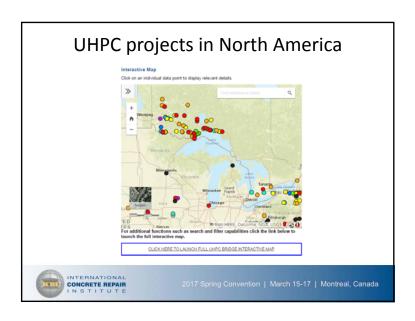
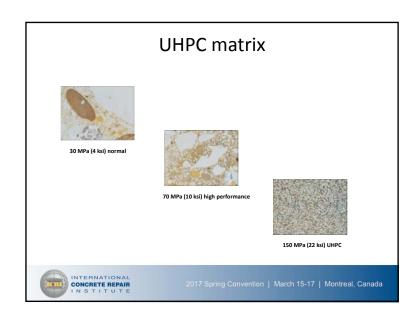
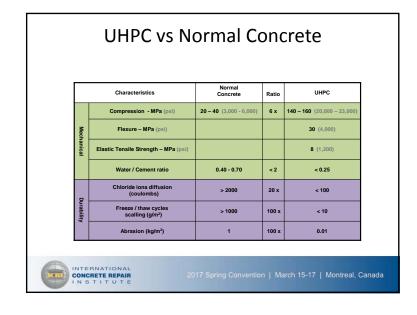


UHPC has been used on bridges projects for over 10 years in NA. Precast deck panels connected with field cast UHPC joints has been the most popular application. Approximately 200 projects completed in more than 25 states and provinces to date. UHPC has also been used for: - Structural overlays - Headers and link slabs to replace traditional expansion joints - Jackets for columns/piers - Pier cap to column connections - UHPC precast elements to widen and strengthen existing bridges

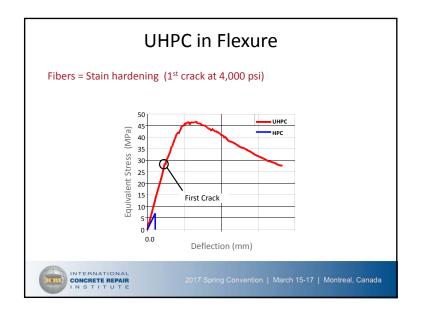


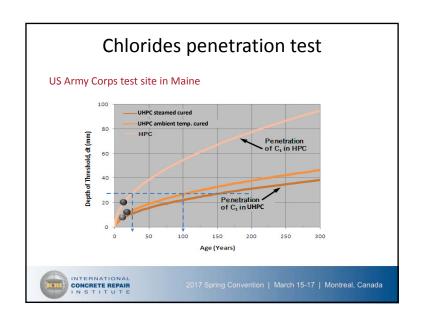
CONCRETE REPAIR

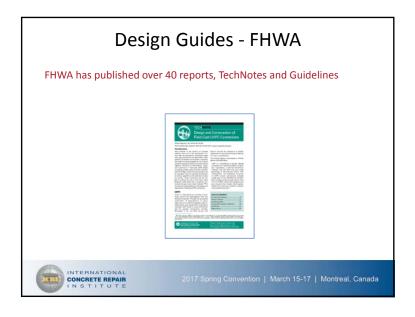




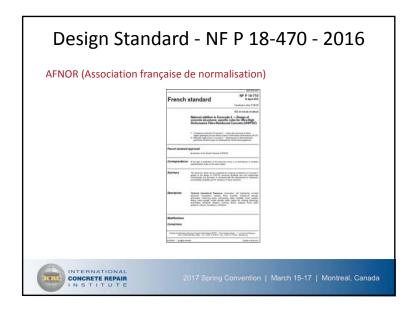












Design Guidelines US/Canada

Committee work in progress

- In December of 2015, the Canadian Standards Association (CSA) formed a new "Working Group on UHPC" under A23.1, Chapter 8, with the mandate to develop a new annex on UHPC materials (CSA A23.1, 2014).
 Target 2019 edition of the next CSA A23.1-19.
- American Concrete Institute (ACI)
 - 239 Ultra-High Performance Concrete
 - 239-A Emerging Technology Report
 - 239-B Report on UHPC
 - 239-C Structural Design on UHPC
 - 239-D Materials & Methods of Construction with UHPC



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