

Ultra-High Performance Concrete Connections for Prefabricated Bridge Elements

<http://www.fhwa.dot.gov/everydaycounts/edc-3/connections.cfm>

<p style="text-align: center;">Innovation Implementation Stage Definitions</p>	<p style="text-align: center;">Prompt Questions for Describing the Implementation Stage</p> <p>The following questions are intended to help you determine your current implementation stage. While it is not mandatory to respond to each question, providing some narrative describing your current status will be helpful to the EDC teams.</p>
<p>Not Implementing: The State is not currently using the innovation (UHPC Connections for Prefabricated Bridge Elements) anywhere in the State and is not interested in the innovation at this time.</p>	<p>Is the State not implementing because:</p> <ul style="list-style-type: none"> • State does not have an applicable location to implement UHPC during the EDC-4 cycle but will keep in their toolbox for when there is an appropriate use. • State has already evaluated the innovation and decided it was not for them.
<p>Development Phase: The State is collecting guidance and best practices, building support with partners and stakeholders, taking training, attending workshops, and/or developing a process necessary for implementation of the UHPC. The State is interested in pursuing UHPC or seeking additional information on how to implement it.</p>	<ul style="list-style-type: none"> • Is there need for training for the State and local agencies, consultants, and contractors? • Are there any activities the implementation team can assist with in identifying a project to pilot UHPC?
<p>Demonstration Phase: The State is testing/piloting the UHPC.</p>	<ul style="list-style-type: none"> • What is the name and location of the project(s)? <ul style="list-style-type: none"> ○ Bridge NBI number(s) ○ Primary facility carried and primary facility crossed ○ Planned or final month and year of construction ○ How was UHPC used • Does the agency have, or planning to have, any research projects on UHPC?
<p>Assessment Phase: The State is beyond testing/piloting the UHPC. The State is assessing the performance and the process for carrying out the UHPC and/or making adjustments to prepare for full deployment.</p>	<ul style="list-style-type: none"> • Has the State developed standard plans and specifications for the use of UHPC? • Does the agency have, or planning to have, any research projects on UHPC?
<p>Institutionalized: UHPC connections have been adopted by the State’s transportation community and used regularly on projects or within the program where appropriate.</p>	<ul style="list-style-type: none"> • Has the State shared their experience through publication of case studies or research reports?

Progress Report Questions:

Reporting Period:	Progress Report #3: January – July 2018
1) If there has been NO CHANGE on this innovation during this reporting period and the previous Progress Report is still accurate, select "No Change from Progress Report" and you do not need to complete Questions 2-7.	(Choice) <input type="checkbox"/> No Change from Progress Report <input checked="" type="checkbox"/> Changes indicated in Progress Report Below
2) Division Contact for additional information:	Kathy Crowell 505-470-5663
3) What is the State's current stage of innovation implementation? Review the Innovation Profile Template and select the appropriate implementation stage for this innovation.	(Choice) <input type="checkbox"/> Not Implementing <input type="checkbox"/> Development Stage <input checked="" type="checkbox"/> Demonstration Stage <input type="checkbox"/> Assessment Stage <input type="checkbox"/> Institutionalized
4) Describe the State's accomplishments for this reporting period (both State DOT and local agency accomplishments). Please provide EDC-4 highlights with good "so what" nuggets. -- What would another state be interested in and/or how could leadership use the information I am providing? -- If the State has advanced to the next implementation stage, consider the prompt questions in the chart and explain the advancements made to support your selection. -- Please include benefits as part of your explanation (i.e. time/cost savings, delay/crash reductions, etc.)	<i>There are 4 UHPC projects in various stages of design development.</i> 6101010 – utilizing UPHC for PBEs. Letting early 2019 4101490 – utilizing UHPC for PBEs. Letting mid 2018 4101520 – utilizing UHPC for PBEs. Letting early 2019 1101550 – utilizing UHPC overlay. Letting early 2019
5) Describe any additional assistance needed by your state.	<i>Ductal (La Farge) did a training class for NMDOT and NM Contractors on Feb 13-14, 2018. Additional training particularly for the Contractor Community would be very beneficial – a NMDOT Research Project proposal has been accepted. NMDOT is working with the ABC-UTC team for development. Additional funding would be beneficial.</i>
6) Describe any implementation obstacles or lessons learned. Also, indicate if and how your state can provide assistance to others in their implementation of this innovation.	<i>Unfamiliarity with the product by the Contractor Community is a significant concern. It might have adverse implications on bids.</i>
7) The responses have been coordinated with the necessary transportation agencies and Division Office technical resource.	(Choice) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No