



Load Transfer Tests: CCL XM-40-12-0.6 Anchorages AASHTO Cyclic Loading

Prepared for:

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Mr. Matthew Ryznar
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**Final Report for CCL AASHTO Anchorage Load Transfer Test
(CTLGroup Project #: 250967)**

Dear Mr. Ryznar:

This final report contains the results of AASHTO Anchorage Load Transfer Test for CCL XM-40-12-0.6 anchorage device in accordance with *AASHTO LRFD Bridge Construction Specifications 2nd Edition (2004) Section 10.3.2.3 Special Anchorage Device Acceptance Test*.

All three blocks met the acceptance criteria provided in *AASHTO LRFD Bridge Construction Specifications Section 10.3.2.3.10*, in terms of the ultimate strength and crack width. The ultimate strengths of the three blocks were $1.33 F_{pu}$, $1.30 F_{pu}$, and $1.35 F_{pu}$, which exceeded the AASHTO ultimate strength criterion of $1.1 F_{pu}$. In addition, the maximum crack at a load of $0.8 F_{pu}$ after the completion of the cyclic testing was 0.0040 in. (0.1016 mm) and at a load of $0.9 F_{pu}$ was 0.0055 in. (0.1397 mm), which indicated all three blocks passed the AASHTO crack width criteria for severe aggressive environment, which requires that: (1) no cracks with widths greater than 0.005 in. (0.127 mm) at a load of $0.8 F_{pu}$ should be presented at the completion of the cyclic testing; and (2) no cracks with width greater than 0.008 in. (0.2032 mm) should be present at load of $0.9 F_{pu}$.

Thank you for the opportunity to serve CCL. Please contact us with any questions you may have regarding these test results.

Sincerely,



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