

STRENGTHEN YOUR STRUCTURE

Fee Fee Creek Bridge



Project Description

The Fee Fee Creek Bridge is a 3-span structure consisting of an eastbound and westbound bridge that function independently. Each bridge is 577' in length, the westbound bridge is 51 ½' wide and the eastbound bridge is 73 ½' wide. The concrete deck was formed using the Efcu Deck Forming System that reduced man hours and other associated construction costs. The westbound and eastbound bridge decks were completed with a bridge deck machine in four separate pours, two for each bridge. The concrete barrier curb was re-designed to allow the curb to be slipformed. Pile testing was achieved by using pile dynamic analysis. Chilled water added at the batch plant lowered concrete temperature 10° F. Open end pipe piles developed a soil plug resulting in concrete filled – end bearing piles.

Owner	City of Maryland Heights
Engineers	MACTEC Engineering & Consulting
General Contractor	Goodwin Brothers Construction Co.
Ready Mix Supplier	Breckenridge Material Company
Subcontractor	PJR & Associates Ahal Contracting Co., Inc.
QC / QA Firm	Soil & Pile Testing Shannon & Wilson, Inc. Steel Inspection & Concrete Testing Geotechnology, Inc.

CONCRETE COUNCIL

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