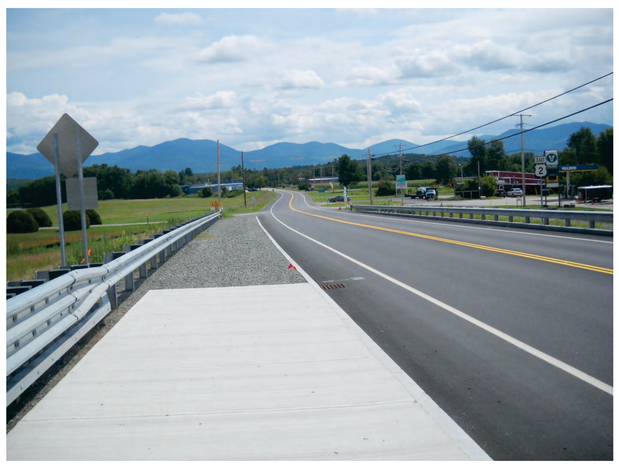


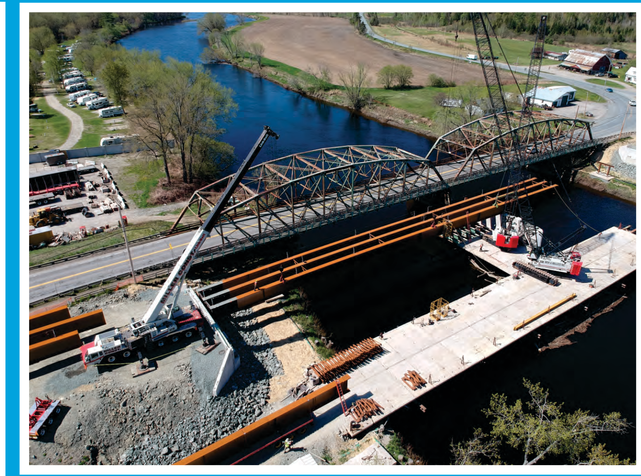
LANCASTER-GUILDHALL

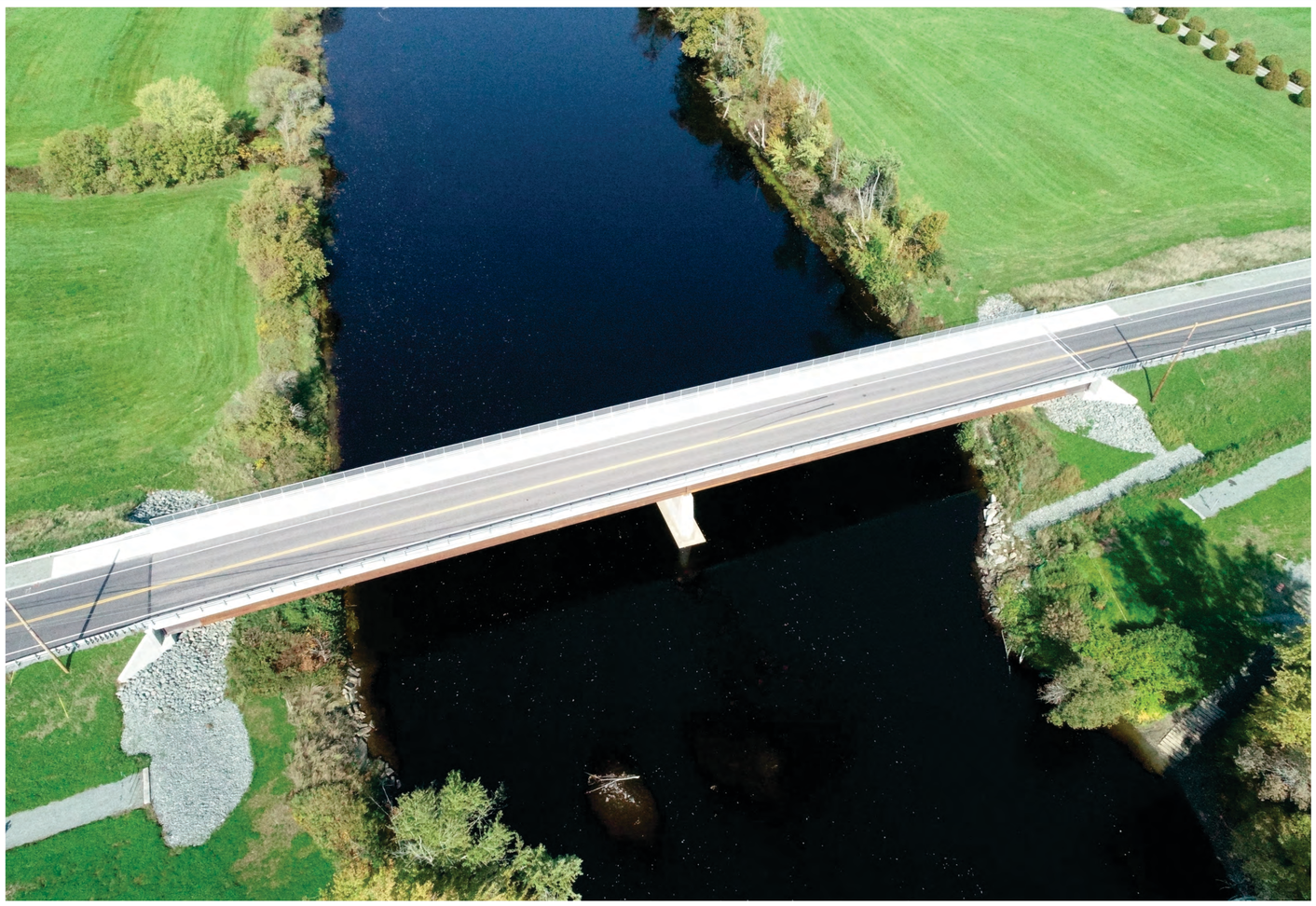
New Hampshire Department of Transportation

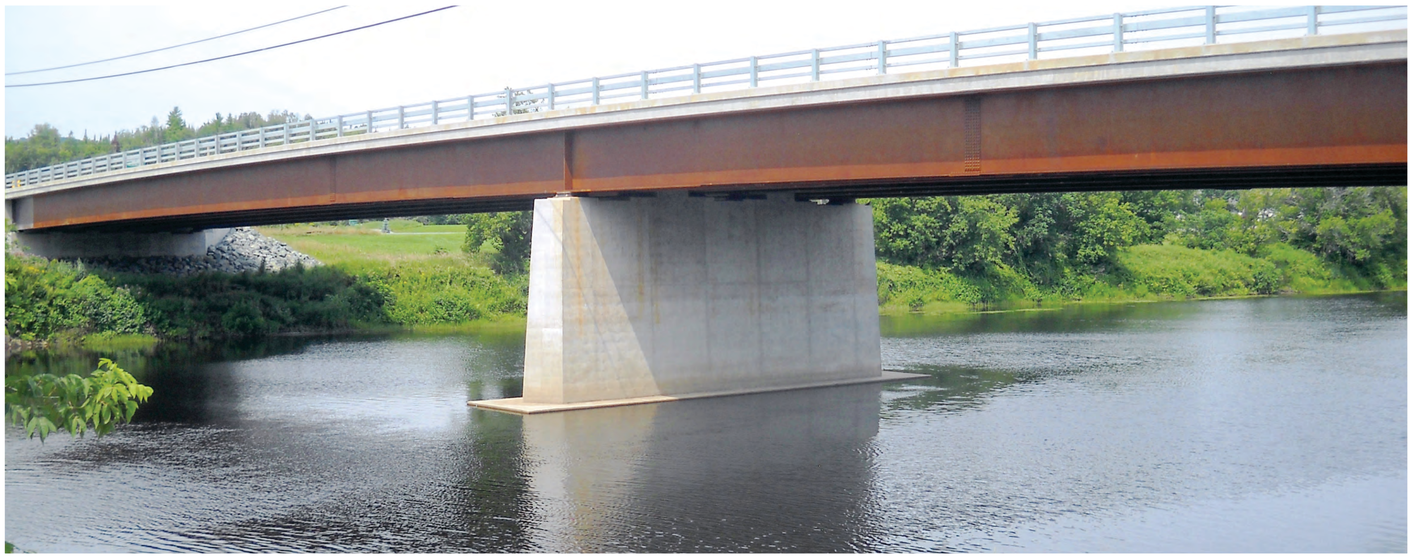
Lancaster, NH - Guildhall, VT

The prior two-span High Parker steel through truss bridge, constructed in 1950, was structurally deficient and functionally obsolete. The new two-span welded weathering steel plate girder bridge, which is 400' long and 47' wide, was located adjacent to the existing bridge so that the truss bridge could remain open to carry traffic during construction. The project involved 3,000 linear feet of roadway construction with a modified T-intersection. Our services included all aspects of design, permitting, utility relocation and Right-of-Way coordination. In addition, Hoyle Tanner assisted NHDOT with a successful application for a competitive USDOT FASTLANE Grant, resulting in an award of $5 million for the project.

The prior US Route 2 intersection with Route 102 was configured in a "Y" layout. To facilitate bridge replacement and better serve traffic patterns a new T-layout was constructed, including 400′ of Route 102 reconstruction. Higher bridge profile grades in close proximity to the new intersection coupled with limited adjacent property acquisition tolerance and the need to maintain traffic challenged road designers to propose the most economic solution meeting VTrans and NHDOT design standards and be in compliance with NHDES, ANR, NEPA, USFWS and historic regulations.







COMPLEXITY

traffic control

detour length would create issues with emergency response, local businesses & school routes

UNIQUENESS

endangered species

continued survey of dwarf wedgemussel species necessary during this project

SAVINGS

$775,000

below the estimated cost of construction

&

FUNDING

$5 million

secured USDOT FASTLANE Grant funds

TECHNICAL DEVELOPMENT

clearance

eliminates the only vertical clearance limitation on US Route 2 within New Hampshire, which is vital to moving goods via the trucking industry

HOYLE TANNER

New Hampshire DOT
Department of Transportation