CANADA

OTTAWA

EHV Power has a long record of delivering high voltage underground transmission cable system projects successfully – safely and on time. A section of two 230kV high-pressure fluid filled (HPFF) cable circuits route crosses through the future Light Rail Transit in the City of Ottawa. To accommodate the future rail system, the HPFF cables were required to be relocated. To decrease the project costs, EHV Power worked with the City and the utility on reducing the amount of the relocated section.

A custom designed joint bay was built to accommodate the new and current high-pressure steel pipes. The utility's approved cable joints were supplied by our parent company, USi, and registered with the provincial standards authority.

Effective coordination and logistics with the liquid nitrogen supplier were fundamental to maintain a freeze plug on the pipes during the cable splicing works. Despite a major fire at the electrical substation causing a 6-month project delay, the circuits were successfully relocated and placed back into service before year's end – in time for the construction of the rail transit system.