

# FLOODWAY EXPANSION PROJECT PDEA 1 & 2 LEAD CONSULTANT SERVICES

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Manitoba Conservation / Manitoba Floodway Expansion Authority

Winnipeg, Manitoba



## Project Description

KGS Group provided the key engineering and project management services under the Lead Consultant roles to Manitoba Conservation and the Manitoba Floodway Expansion Authority (MFEA) as part of the PDEA1 and PDEA2 preliminary design for the Floodway Expansion Project. Under PDEA1, the tasks for the Lead Consultant included project management, as well as site investigations and preliminary design. The project management role was to act as a liaison and coordinator with other private engineering consultants that completed separate PDEA1 tasks, including groundwater and geotechnical investigations, bridge evaluations, preliminary design of the West Dyke, Outlet Control Structure investigations and design, and a variety of environmental evaluations. KGS Group also completed site investigations and preliminary design in-house under the PDEA1 Lead role, focusing on groundwater impacts, hydraulic flow considerations, and construction issues for the channel expansion.

KGS Group followed the PDEA1 work with the lead position in an association of three companies (KGSAcresUMA) that performed the Lead Consultant role to MFEA under the PDEA2 preliminary design phase. The services were largely project management, related to coordination of all facets of the preliminary design that were proceeding under six separate work parcels (Bridges, Channel, Inlet Structure, Outlet Structure, Utilities, and Environmental Considerations). The primary task was to ensure that each individual work parcel was efficiently advancing their component with consideration of the design issues from the other work parcels to ensure a cohesive and complete overall expansion design within the very aggressive schedule.