

PROBLEM STATEMENT

THE HILLSBURGH DAM, ITS POND AND ASSOCIATED BRIDGE (STRUCTURE 2064) ARE HISTORICAL LANDMARKS IN THE COMMUNITY OF HILLSBURGH. IN 2011, THE POND'S OUTLET PIPE, WITHIN THE EARTHEN DAM STRUCTURE, FAILED. STRUCTURAL AND HYDROTECHNICAL REVIEWS CONCLUDED THAT THE DAM STRUCTURE DOES NOT MEET MINIMUM SAFETY CRITERIA AND THEREFORE, IT IS AT AN UNACCEPTABLY HIGH LIKELIHOOD OF FAILURE. IN THE EVENT OF A DAM FAILURE, THERE IS A POTENTIAL FOR LOSS OF LIFE AND APPRECIABLE DOWNSTREAM PROPERTY DAMAGE. IN 2012, EMERGENCY REPAIRS WERE COMPLETED TO MITIGATE THE OUTLET PIPE FAILURE. THE REGULATORY APPROVAL, UNDER THE LAKES AND RIVERS IMPROVEMENT ACT, FOR THE EMERGENCY REPAIRS REQUIRES THE TOWN OF ERIN TO DEVELOP AND IMPLEMENT A PERMANENT SOLUTION FOR THE DAM. IN ADDITION, THE BRIDGE IS NEARING THE END OF ITS DESIGN LIFE AND IS IN NEED OF UPGRADES TO REDUCE THE RISK TO TRAFFIC USING THE STRUCTURE. DUE TO THEIR CLOSE PROXIMITY AND INTERDEPENDENCE, THE DAM AND BRIDGE STRUCTURE WILL BOTH BE EVALUATED UNDER THIS CLASS EA. THIS PROJECT IS BEING UNDERTAKEN TO ENSURE THE LONG TERM SAFETY OF THE DAM AND BRIDGE WITH DUE CONSIDERATION FOR THE NATURAL ENVIRONMENT AND THE INTERESTS OF VARIOUS STAKEHOLDERS WITHIN THE COMMUNITY.