

ENVIRONMENTAL CONCERNS & MITIGATION

FACTORS	POTENTIAL IMPACTS	MITIGATION
NATURAL ENVIRONMENT		
VEGETATION	<ul style="list-style-type: none"> ➤ Loss of existing vegetation 	<ul style="list-style-type: none"> ➤ Vegetation removal will be minimized where possible. ➤ Protection of remaining vegetation during construction. ➤ Compensation for loss of vegetation will include plantings and landscaping.
AQUATIC HABITAT	<ul style="list-style-type: none"> ➤ Potential permanent or temporary loss of fish habitat ➤ Water Quality ➤ Provincially Significant Wetlands ➤ Increase of stormwater 	<ul style="list-style-type: none"> ➤ Fish inventory was conducted to investigate sensitivity- no fish habitat was found within immediate project limits. ➤ Where necessary, silt fencing and other precautions will be undertaken to ensure that the water quality is maintained. ➤ The Great Cataraqui River Marsh was identified as a Provincially Significant Wetland therefore, a suitable transition zone and set back from the wetland will be maintained during construction. ➤ Stormwater management will ensure no degradation of water quality.
AIR QUALITY	<ul style="list-style-type: none"> ➤ Increase of dust particulate in atmosphere 	<ul style="list-style-type: none"> ➤ During the course of construction, dust suppressants will be employed to reduce dust particles. ➤ All machinery to be maintained and operated as per regulatory standards.
WILDLIFE	<ul style="list-style-type: none"> ➤ Possible loss of wildlife due to construction activities 	<ul style="list-style-type: none"> ➤ No provincially, regionally or locally significantly wildlife species were observed during the survey or in the existing natural environment review of the study area. ➤ For the protection of breeding birds, no tree or shrub will be removed between May 15th – July 10th.
SITE CONTAMINATION	<ul style="list-style-type: none"> ➤ Possible site contamination along the project corridor. 	<ul style="list-style-type: none"> ➤ A Phase I Site Assessment was conducted to identify areas of contamination. Areas of contamination were identified and a Phase II Site Assessment has been recommended.
SOCIAL ENVIRONMENT		
LANDUSE & PROPERTY	<ul style="list-style-type: none"> ➤ Possible acquisition of land at various locations within the project area. 	<ul style="list-style-type: none"> ➤ City of Kingston to purchase land and compensate landowners once the recommended design is approved.
NOISE	<ul style="list-style-type: none"> ➤ Noise levels may increase once Wellington Extension is in place in areas where the road did not exist previously. ➤ Temporary construction noise is anticipated. 	<ul style="list-style-type: none"> ➤ Noise from construction not to exceed municipal regulations and times. ➤ Noise attenuation (i.e. noise wall barriers) proposed at noise sensitive areas.
RECREATIONAL	<ul style="list-style-type: none"> ➤ Land use will change from informal recreational path to a roadway. 	<ul style="list-style-type: none"> ➤ Road extension will include a recreational pathway and/or sidewalks and bike lanes.
CULTURAL ENVIRONMENT		
HERITAGE RESOURCES	<ul style="list-style-type: none"> ➤ Potential loss of Heritage or Archaeological resources may occur during construction. 	<ul style="list-style-type: none"> ➤ A Stage I archaeological assessment has been completed and a Stage II (i.e. test pitting) assessment is recommended during the preliminary design phase.



