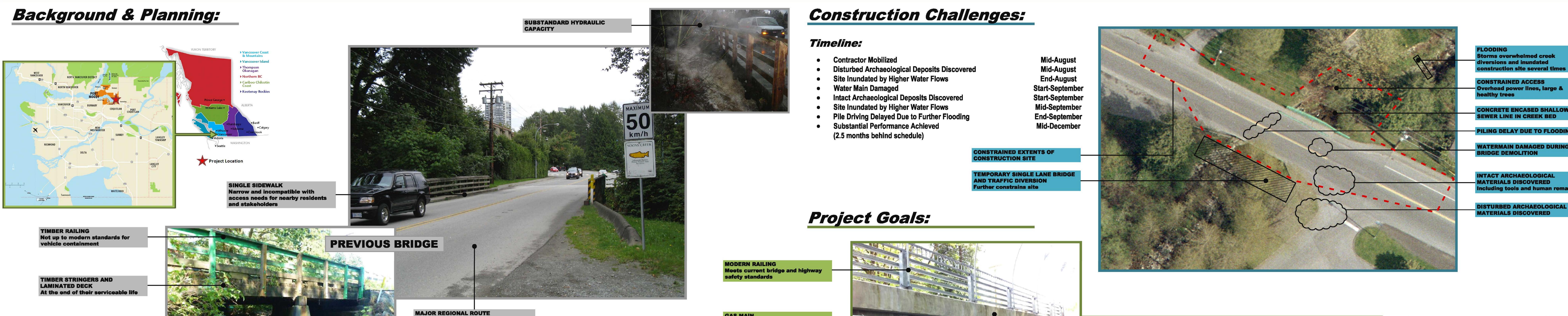
## Noons Creek Bridge - A Little Bridge with Big Challenges



**NATURALIZED CHANNEL** 

mprove fish passage

Part of habitat compensation to

SINGLE SPAN REPLACEMENT

mination of centre pier, and

**INNOVATIVE PUBLIC ART** 

SIDEWALK ON BOTH SIDES

Meeting modern width and accessibility standards

reased elevation provides

:200yr hydraulic capacity

**NEW BRIDGE** 

### Project Funding:

- Original project scope defined based on municipal needs and
- Senior government funding introduced unplanned additional permitting requirements (CEAA, DFO, etc.) which required time and funding to complete

#### Permitting & Scope Impacts:

CONCRETE CHANNEL LINING

Breaking away, exposing the footings and acting as an

BURIED GAS MAIN

Original project cost estimate:

\$1,200,000 Unplanned Permitting, Habitat Compensation,

\$210,000 Environmental & Archaeological Monitoring Costs: Design & Construction of a Replacement

Water Intake for Nearby Fish Hatchery as Part of Habitat Compensation:

\$55,000

## Assessment Construct Bridge

Primary access to several communities and popular recreational areas/parks

CENTRE PIER WITH EXPOSED

# CONSTRAINED CONSTRUCTION

## Lessons Learned:

- When partnering for project funding, allow time and budget for additional approvals and reporting that will become necessary
- Ensure work boundaries around creeks and permitted activities within isolated creeks are explicit in the
- When multiple permitting authorities are involved for similar aspects of the work, ensure the permit requirements are consistent between both authorities
- Manage stakeholder/stewardship group expectations and involvement in the project by clearly identifying the limits and scope of project/compensation works
- When a site has even limited potential to contain archaeological materials, plan nearby storage and material testing locations that will not conflict with construction works



