Regional Transportation Asset Inventory

# Goal

The ACHN wishes to develop a tool to assess the baseline of transportation in the region. The aim is to identify partners and create efficiencies to increase resident’s access to medical services and basic needs.

# Project Overview

Background work in the ACRD conducted by the ACHN has identified transportation and access to basic services as a priority in addressing health indicators in the region. Through consultation, workshops and action tables the ACHN has identified several projects to move forward which will begin to address this need. In order to develop consist public policy campaigns, communications and assess opportunities to leverage resources, baseline information is required. The ACHN Regional Transportation Working Group has identified the need for a transportation asset listing which includes information on trip cost, frequency, mode and availability between the municipalities, first nation communities and out to major centres to assist in planning.

## Core Project Tasks

**Research:** collecting and compiling community health data (quantitative and qualitative), specific to transportation. Cost of travel and time required within the Alberni Clayoquot Regional District – community to community – and Port Alberni to major centres (Nanaimo, Comox Valley, Victoria, and Vancouver) via available transportation modes.

**Data representation:** tabular and cartographic. Travel cost in region, community to community (map legs), Port Alberni, and to major centres via all available modes of transportation. Potential to include information from private transport providers if available. An asset listing of all transportation providers, public and private. This should include information on basic usage, access, target users/riders and ability of the transportation provider to accommodate new opportunities (flexibility in licencing, insurance, staff, etc) addressing identified transportation barriers.

## Additional Tasks

**Data analysis:** data clean up and cartographic representation. An additional component to the project will be to work in conjunction with the sponsor to incorporate medical service utilization data. Aggregate utilization data will be compiled by Island Health and will need to be cleaned and developed for analytic and mapping purposes. This has the potential to be overlaid with the above research and digitized.

**Presentation of findings:** To be determined by sponsor and student; however the information collected and investigated will be presented in a report and/or one-pager fact sheet(s) for public audience. This will be presented to the ACHN and, to ensure further dissemination of results, the exploration of web based modes of hosting this project and other work underway at the ACHN will be an included task (time permitting).

# Project Plan and Deliverables

The Regional Transportation Asset Mapping project will be split into two phases in order to ensure most pertinent information is collected and mapped before including additional data sets. The emphasis for data collection will be on regional transportation infrastructure and availability; secondary information will include health data and other information which correlates to service access as identified. Phase one and two have been differentiated based on prioritization of tasks and required information for the project sponsor, timelines for phase one and two will intersect to ensure effective use of content experts. The project will engage content experts and be centrally managed by the ACHN Coordinator.

### Project Team

|  |  |  |  |
| --- | --- | --- | --- |
| Project Role | Name and Organization | Contact Info | Responsibilities |
| Project Lead | Marcie DeWitt – ACHN Coordinator | 250-726-5019  [achn@acrd.bc.ca](mailto:achn@acrd.bc.ca) | Communications – lead communications between project team; develop centralized tracking and file management; weekly/monthly project updates  Administration – Timeline and budget monitoring and approvals  Project Administration – review, manage and advise on research collection and dissemination |
| Project Advisor | Jade Yehia – Regional Build Environment Consultant, Island Health | 250-519-3654  [Jade.Yehia@viha.ca](mailto:Jade.Yehia@viha.ca) | Project Administration – review, manage, assist and advise on research collection and dissemination |
| Researcher | Nalin Dhillon – UVIC Geography Student | 250-882-9792  [nalindhillon@outlook.com](mailto:nalindhillon@outlook.com) | Project Administration – research collection and dissemination; collaborate with GIS content expert for data gathering and input; advise and develop data dissemination where identified |
| GIS Content Expert | Not Confirmed:  Shawn Warner – CGIS Spatial Solutions | 613-368-4321  swarner@cgis.com  [www.cgis.com](http://www.cgis.com) | Project Administration – collaborate with and inform researcher for data gathering and input; develop GIS mapping for Phase 1 and advise/develop for Phase 2 as idenfied |

## Phase 1

|  |  |  |  |
| --- | --- | --- | --- |
| Deliverable | Responsibility | Resources | Timeline |
| Research Collection   * Identify ‘legs’ of transportation to hub (Alberni Valley) * Modes of transport * Frequency * Cost | Researcher | Review, management and assistance from Project Lead and Project Advisor | May to June 206 |
| Research Input   * Researcher to collaborate with GIS content expert to develop data input framework * Input data | Researcher | GIS Content Expert | June – July 2016 |
| GIS Mapping | GIS Content Expert | Assistance as needed  Project Lead  Project Advisor  Researcher |  |

## Phase 2

|  |  |  |  |
| --- | --- | --- | --- |
| Deliverable | Responsibility | Resources | Timeline |
| Research Collection   * Identify health data and information which correlates to service access as identified | Researcher | Research and advisory role – Project Advisor  Review and advisory role – Project lead  Content and advisory role – GIS Content Expert | June 2016 |
| Research Input   * Utilize/refine framework | Researcher | GIS Content Expert | June - July 2016 |
| GIS Mapping | GIS Content Expert | Assistance as needed  Project Lead  Project Advisor  Researcher |  |
| Project Close   * Identify next steps for ACHN * Refine tool if required * Administration | Project Lead | Assistance as needed  Project Advisor  Researcher  GIS Content Expert | August – September 2016 |

# Budget

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| --- | --- | --- | --- |
| Deliverable | Phase 1 | Phase 2 | Cost |
| Research | 40 Hours | Up to 40 Hours | $1000 Honorarium |
| Project Leadership | 10 hours | Up to 10 hours | In Kind |
| Project Advisory | Up to 20 Hours | Up to 20 Hours | In Kind |
| GIS |  |  | Awaiting time estimates  GIS portion $75 - $90/hr  Max $2000 |