



A Review of Government Infrastructure Spending



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Foreword

The Consulting Engineers of British Columbia (CEBC) represents consulting engineering firms that are front-line service providers for infrastructure projects in BC. CEBC member firms provide comprehensive engineering design and project management services that allow projects to be safely and cost effectively planned, designed, constructed, operated and maintained. Member firms play a critical role in the delivery of governments' accelerated infrastructure initiative currently underway to stimulate the economy.

This report compiles relevant information and provides recommendations pertaining to the accelerated infrastructure initiative. The recommendations are intended to provide the provincial and federal governments with ideas for improving the implementation of the current stimulus programs as well as future infrastructure programs.

In providing recommendations, CEBC acknowledges that the accelerated infrastructure program was launched out of necessity to solve an immediate economic problem. Government has not had the time to plan and manage the program to the same degree as typical ongoing government programs.

Feedback to this report is invited. By working closely with the front-line service providers, the BC government can ensure that infrastructure projects are of the highest quality and that the investments made today will pay dividends for many years to come.

This report provides recommendations pertaining to the accelerated infrastructure initiative.
Feedback to this report is invited.



About This Report

This report has been prepared by the Consulting Engineers of British Columbia (CEBC) with the benefit of consultation of its member firms who represent the consulting engineering industry in BC. This report is in response to the governments' initiatives to stimulate the economy through a major infrastructure investment in communities across Canada. The recommendations in this report are intended to assist the provincial and federal governments in improving the delivery and execution of the current infrastructure stimulus programs and future infrastructure programs in BC. A key component of the current infrastructure initiative is the Government of Canada's Infrastructure Stimulus Fund (ISF). While the recommendations in this report focus on ISF-funded projects, they are also applicable to the other components of the accelerated infrastructure program.

CEBC Background

CEBC was incorporated as a not-for-profit society in 1976. CEBC is British Columbia's provincial association of consulting engineering firms, consisting of 84 member firms employing approximately 7,300 engineers, geoscientists, technologists and technicians. Member firms provide engineering and other technology-based intellectual services to private sector and government clients. Member firms play key roles on most significant engineering projects undertaken in BC – infrastructure projects in particular – and directly generate about \$2 billion in provincial revenue annually. CEBC is active in facilitating a common industry approach on business issues such as procurement, client-consultant agreements and liability.

CEBC member firms are front-line service providers for infrastructure projects in BC. The consulting engineering industry plays a key role in the planning, design, construction, operation and maintenance of public infrastructure. The expertise of member firms allows projects to be completed in a manner that is safe, cost-effective, environmentally responsible and innovative. The contribution of the industry is critical in ensuring that stimulus expenditures will be successful in achieving the intended economic and social goals.

In February 2009, CEBC announced its vision for maximizing employment and economic benefits in BC from the recently announced \$20 billion in federal and provincial infrastructure spending. CEBC recommended a balanced portfolio of phased infrastructure investments to stimulate economic activity and create jobs. In addition to large infrastructure projects, CEBC encouraged the government to fund smaller, less glamorous repair, renewal and expansion projects such as road repairs, sewer and watermain upgrades, seismic improvements for schools, and renovations/retrofits for hospitals. In implementing the projects, government was encouraged to "do it right" regardless of the need for expediency such that the investments would pay dividends well into the future.

Infrastructure Spending Programs

Recent government infrastructure stimulus funding announcements have presented a unique opportunity for British Columbia to leverage federal government funding to gain ground on the growing backlog of public infrastructure renewal and replacement projects. The BC Government has announced numerous infrastructure projects under the accelerated infrastructure initiative, including many of the types of work CEBC envisioned to create jobs and make sound infrastructure investments.

Prior to the January 27, 2009 Federal Budget, mention of infrastructure programs usually referred to the original \$33 billion Building Canada Plan. Some of the programs included in this Plan are as follows:

- Municipal Gas Tax Fund – \$2 billion for municipal infrastructure;
- Building Canada Fund (2007-2014) – \$8.8 billion over 7 years with two components (Major Infrastructure and Communities);
- Gateway and Border Crossings Fund – \$2.1 billion;
- Social Housing – \$2.1 billion (new construction and retrofits);
- Building Canada Communities top up – \$1.4 billion later increased to \$1.9 billion;
- Provincial base funding – \$25 million to each province above other allocations for seven years; and
- PPP Canada Fund – \$1.25 billion for 25 percent funding of provincial P3 projects over and above the provincial allocations.

There are about a dozen current federal infrastructure programs that will provide approximately \$40 to \$45 billion nationally in infrastructure funding over the next four or five years. The January 2009 Federal Budget introduced \$12 billion in infrastructure stimulus funds that included \$11 billion in new programs, including:

- Infrastructure Stimulus Fund – \$4 billion over two years for “shovel-ready” projects to be substantially completed by March 31, 2011, with the Federal Government contributing 50 percent of the cost for provincial projects and one-third of the cost for municipal projects;
- Knowledge Infrastructure Fund – \$2 billion over two years for university (70 percent) and college (30 percent) infrastructure matched on a 50-50 basis with provincial governments;
- Green Infrastructure Fund – \$1 billion over five years for green projects;
- Recreation Facilities Upgrade Fund – \$500 million for recreational facilities;
- First Nations Infrastructure Fund – \$515 million over two years for “ready-to-go” First Nations schools, water and critical community services; and
- Accelerated Infrastructure Program – \$1.5 billion in direct Federal Government spending over a two-year period on government-owned infrastructure, including \$407 million for Via Rail, \$269 million for federal bridges, \$217 million for small harbours in Nunavut, \$130 million to twin the Trans-Canada Highway through Banff National Park and some \$400 million for federal buildings.

Despite the comparative wealth of funds available to stimulate the economy, much attention has been centered on the \$4 billion, two-year ISF announced in the January 2009 Federal Budget. That specific program, however, represents only one-third of the \$12 billion in infrastructure measures contained in the Budget and less than 10 percent of the total amount that the Federal Government expects to spend on infrastructure in the next four to five years.

The Infrastructure Stimulus Fund

In January 2009, the Government of Canada announced its Economic Action Plan as part of the 2009 budget, including \$12 billion in new infrastructure funding.

The BC Government estimated that the federal funding commitment for British Columbia would be approximately \$1 billion, which would generate a total of \$2 billion in new cost-shared capital investments. In *Budget 2009*, the Province set aside \$1 billion in debt room to match the estimated federal funding.

Since this time, \$1.7 billion in new funding has been committed to accelerated infrastructure spending in BC. Negotiations with the federal government are ongoing in the key areas of housing, transportation, and communities.

Funding for the provincial portion was set aside within the three-year fiscal plan. It is estimated that the total new investment in accelerated infrastructure will reach or exceed the original \$2 billion estimate.

Over half of BC's \$519 million contribution has been spent on projects that are 100 percent provincially funded, since they were not eligible under the Federal Economic Action Plan.

The eligibility requirements of the Infrastructure Stimulus Fund have caused so much attention that this single program is now often equated with the entire infrastructure stimulus measures package announced in the January 2009 Federal Budget, and even with the entire federal infrastructure effort. Under the ISF, the federal government will fund 50 percent for projects involving province/territory assets and one-third for municipal assets.

The ISF Eligibility Guidelines require that the proposed projects be:

- substantially completed by March 31, 2011;
- incremental (i.e. would not otherwise have been constructed by March 31, 2011 were it not for this funding); and
- shovel-ready.

Eligibility restrictions have created challenges to allocation and timely management of funds.

Flexibility on construction and completion date deadlines will enable additional critical projects to qualify for funding.

These terms have aroused concern from potential recipients, and created a challenge to allocate and manage these funds in a timely fashion. It is understood that the stimulus initiative must have some urgency in order to achieve the economic results, but some flexibility on the substantial completion date may help avoid incomplete projects, mistakes and construction delays due to possible severe winter weather. In addition, the focus on projects that can be constructed quickly precludes some critical projects on which some non-construction components could be completed within the program period (such work would still provide an economic stimulus).

Since BC's *September Update 2009* an additional \$1 billion in new accelerated infrastructure projects has been approved. Combined with the \$3.4 billion in accelerated infrastructure investments detailed in the *September Update 2009*, a total of \$4.4 billion has been committed to accelerated infrastructure investments across British Columbia. According to the BC Government, this will create an estimated 28,000 direct jobs in the construction industry over the life of the projects.

The \$4.4 billion in accelerated infrastructure investments are cost-shared between the provincial, federal and local governments as well as third parties. British Columbia has negotiated \$811 million in funding from the federal government for accelerated infrastructure projects to date. The Province has contributed \$2.5 billion, with the remaining \$1.1 billion being provided by local governments and other third parties.

The additional \$1 billion in accelerated infrastructure spending since the *September Update 2009* includes investments in housing renovations, communities and the Northwest Transmission Line. Discussions with the federal government are ongoing, and it is expected that further cost-shared infrastructure stimulus investments will be agreed to in the coming months.

This \$4.4 billion announcement was part of the overall \$14 billion capital infrastructure program and includes both infrastructure investments within the approved capital plan, accelerated infrastructure projects and local government infrastructure. A list of these projects is provided by region and industry sector in the Infrastructure Spending Analysis section (Appendix I) of this report.

The impact of these infrastructure funds on the provincial economy is considerable. Jobs are being created and consumer confidence has risen, perpetuating these benefits into the long term. According to the BC Economic Forecast Council, the BC economy should post 2.9 percent



growth in 2010, upgraded from the 2.5 percent growth projected in its September Update this year.

***Approved projects appear to provide
a balanced portfolio of phased infrastructure investment.***

The list of approved projects suggests that the government's actions are consistent with CEBC's recommendations following the 2009 Provincial Budget. At that time, CEBC recommended a balanced portfolio of phased infrastructure investments including renewal, replacement and expansion projects – small and large. As described in CEBC's vision, these should include not only the high profile marquee projects but smaller, less glamorous repair, renewal and expansion projects such as road repairs, sewer and watermain upgrades, and seismic improvements for schools and renovations or retrofits for hospitals. These projects get people working today while planning for tomorrow.

Over the next three years, capital spending on schools, hospitals, roads, bridges, hydro-electric projects and other infrastructure across the Province is expected to total \$21.6 billion. CEBC intends to work with governments to ensure that effective infrastructure programs are delivered in order to provide jobs and construct projects that are effectively designed, safe, cost-effective and environmentally responsible.

Recommendations/Best Practices

The infrastructure initiative, in its various forms, has provided a unique opportunity for BC to leverage federal funding to gain ground on the growing backlog of public infrastructure renewal and replacement projects. Sound, long-term investments made today will pay dividends for BC for many years to come. This is not just about a temporary cash injection on make-work projects, but a focused infrastructure re-development plan that will have long-term benefits.

Doing it right will make this happen. Those actively engaged in designing and delivering the above-mentioned projects convey practical solutions to work with government to deliver all projects on time and on budget. The following recommendations from CEBC can be applied in the short term to the current infrastructure initiative, while others may be more applicable in the planning of future infrastructure programs.

Project Selection

Governments' focus on 'shovel-ready' projects precludes some important projects that require significant non-construction work such as field investigation, environmental assessment, feasibility assessment, comparison of alternatives and planning. It should be recognized that this work can also provide economic stimulus.

Recommendation: Where appropriate, governments should consider inclusion of non-construction project components in infrastructure program funding. This will help ensure that critical projects that are not ready for construction or that cannot be feasibly completed by the March 31, 2011 deadline are advanced to the next phase of their development.

Improve Transparency

The announcement of stimulus-funded projects and general communication about infrastructure initiatives has not always been consistent and straightforward. Consequently, it has been difficult for the public, consulting engineers, construction companies, and suppliers to fully understand what projects are being funded and when projects will be procured.

Recommendation: By better and more clearly reporting what projects are funded, the funding available, the status of the project, the contact information for the partnering and executing agency and the procurement process, government will improve the transparency of the accelerated infrastructure initiative. This will allow consultants and construction companies to better plan for their pursuit of the projects and deliver best value for the investment of public funds. Such an infrastructure tracking system could be implemented through an improved on-line database that is regularly updated.

Consultant Selection

There are many systems used by the public sector in BC to procure consulting engineering services, some more effective than others. In some cases, consultants are selected based solely on price as opposed to qualifications.



The traditional procurement model is for a Request for Proposals (RFP) based on a defined scope of work, with consultant selection based on a number of criteria, which often includes qualifications, relevant experience and price. This traditional approach has been refined by the Government of Canada through its Infrastructure Canada Program and the National Research Council. These federal bodies joined forces with the Federation of Canadian Municipalities to create the National Guide to Sustainable Municipal Infrastructure (InfraGuide). In June 2006, InfraGuide published a document titled “Selecting a Professional Consultant” (<http://gmf.fcm.ca/Infraguide>). One of the key recommendations is to use a Qualifications Based Selection (QBS) process for consultant selection. CEBC supports this recommendation. QBS is a process for selecting a consultant that prioritizes credentials in order to provide the best long-term value for the client. This would be consistent with current practice in the USA, where 47 states have now mandated some form of QBS.

***A QBS process for selecting consultants
provides the best long-term value for the client.***

While the approach identified in InfraGuide is the best documented approach to QBS in Canada, there are other variations of QBS in use across the country. For example, the RISP system used by the BC Ministry of Transportation and Infrastructure includes key components of QBS.

It is important to note that QBS processes can be compliant with the Trade, Investment and Labour Mobility Agreement (TILMA) between BC and Alberta. Better knowledge of QBS can help resolve any procurement uncertainties that TILMA may have created for public sector agencies.

Recommendation: Since time is of the essence in implementing the infrastructure stimulus projects, municipalities or other entities procuring for stimulus projects should be encouraged to use the InfraGuide approach to consultant selection where a consultant is not already selected. This will help expedite the consultant selection process, and expedite project delivery because the consultant will participate in the critical detailed scoping stage of a project. This would be a particular benefit to small communities that do not have significant in-house technical resources.

Recommendation: The BC Government should consider mandating a QBS approach to consultant selection throughout BC – such as the methodology described in the InfraGuide – for future infrastructure projects.

Project Schedules

The March 31, 2011 substantial completion date for ISF projects is a concern. The potential for a rushed timeline may lead to mistakes or inappropriate delegation of project risks. It is possible that uncontrollable factors such as severe winter weather may interfere with the completion of certain projects in the winter of 2010-2011.

Budget overruns and project delays are more likely to occur on projects that are designed and constructed under tight timelines since design and risk elements may not be fully identified and addressed.

Recommendation: It is recommend that the BC Government work with the Government of Canada to develop a flexible approach to the March 31, 2011 substantial completion date for the ISF. With appropriate justification, an extension through the 2011 summer construction season should be considered.

Recommendation: The BC Government should encourage project proponents to be reasonable in attempting to assign project completion risks to third parties (such as consultants and contractors) where the risk is not within that party's control.

Consultant Continuity

Too often the design consultant is not retained during the construction phase of a project. This is contrary to practice guidelines issued by the Association of Professional Engineers and Geoscientists of BC. This can result in unexpected problems and delays.

The BC Ministry of Transportation and Infrastructure, in conjunction with a CEBC sub-committee, has recently issued guidelines for the role of the engineer during all cycles of a project, and these guidelines form an excellent template for the role of the engineer during construction.

Recommendation: A design consultant should be retained throughout the construction phase of a project, barring extraordinary circumstances.

Outsource Program Delivery

The infrastructure initiative necessitates that many projects be completed in a short time period. Government agencies do not always have the staff resources needed to organize and implement the programs and projects. This can result in program delays and poor decision making. By retaining qualified consultants to assist with delivery, the overall program can be expedited. This is an effective strategy that has been used in the private sector for many years. It is important to note that outsourcing components of program delivery is a valid and productive expenditure of stimulus funds, supporting professional and technical jobs in our economy.

Recommendation: Where appropriate, government agencies should directly outsource some components of program delivery.

One way of accomplishing this objective is to implement a system such as the following for road, bridge and civil infrastructure projects:

- Issue an open RFP call for consulting engineers to assist with program delivery;
- The RFP should follow a QBS process, and result in the selection of several consulting engineering firms;
- Each firm could be assigned a geographic area, along with a list of funded projects in those regions;
- In cases where projects are “shovel ready”, the scope of services may include tendering assistance, contractor selection, contract administration and resident engineering and inspection; and
- In other cases, firms may undertake the necessary design engineering and obtain government approvals and permits prior to tendering.

This model was adopted successfully by the State of Arizona’s Department of Transportation, which hired five engineering firms under management consulting contracts to design projects and assist with tendering and construction supervision to complete the work.

Utilize a Variety of Delivery Methods

Traditionally, civil engineering infrastructure projects in British Columbia have been delivered through a design-bid-build (DBB) approach. Projects of the size and scope being considered for infrastructure stimulus funding may warrant a variety of design and delivery approaches.

Recommendation: The BC Government should continue its policy of requesting that funding recipients consider alternative means of project delivery on major projects. CEBC supports the Province’s guidelines for alternate delivery of projects where public private partnerships (P3s) are considered for provincially funded capital projects valued at a minimum of \$50 million.

CEBC offers to work with the Province and Partnerships BC to evaluate a wider range of procurement options to enable timely implementation of projects. These would include the DBB and P3 models that have been successful in BC. CEBC also suggests adoption of additional procurement models that have proven successful in delivery of infrastructure projects in other jurisdictions. Two such models to consider are Construction Management at Risk (CMAR) and single step Design Build. Both procurement models employ competitive QBS selection, both provide potential schedule savings by overlapping design and construction activities, and both result in transfer of construction cost, schedule and coordination risk to the private sector.

Environmental Approval

Many projects currently receiving stimulus funding are subject to separate Provincial and Federal environmental assessment and approval processes. In some local areas (the Fraser River estuary, Burrard Inlet), there has been success in adopting a one-window environmental approval process. CEBC firms are committed to a high standard of environmental protection in project design and implementation. It is apparent that the extended timeframes and the multiple window environmental assessment and approval system complicate project delivery, especially with fast-track programs, such as the infrastructure stimulus projects.

Recommendation: CEBC supports streamlining Provincial and Federal environmental assessment and approval systems.

Conclusion

CEBC represents the consulting engineering firms that are front-line service providers for infrastructure projects in BC. CEBC commends the provincial and federal governments for the accelerated infrastructure initiative. The resultant programs represent a significant financial investment toward infrastructure renewal and upgrading. The infrastructure works will benefit communities across Canada and the investment is helping Canada weather a period of global economic uncertainty.

This economic stimulus package presents a unique opportunity for BC to leverage federal government funding to gain ground on the backlog of public infrastructure renewal and replacement projects. Sound, long-term investments made today will pay dividends for BC for many years to come. This is not just about a temporary cash injection on make-work projects, but a focused infrastructure redevelopment plan that will have long term benefits.

Many sectors of the consulting engineering and construction industries have benefited from the accelerated infrastructure initiative in 2009, and will continue to benefit through 2010 and beyond. Although economic conditions continue to improve, the government stimulus is important to the health of these industries in 2010.

This report compiles some relevant information regarding the accelerated infrastructure programs, particularly the Infrastructure Stimulus Fund (ISF). This report also draws on the experience of CEBC member firms in delivering most of the infrastructure projects to identify areas of potential improvement for infrastructure programs. A series of recommendations are provided for government's consideration. Many of these recommendations are applicable to the current accelerated infrastructure initiative, while others represent lessons learned from this program for consideration in future programs.

By following the recommendations of this report, government will improve the effectiveness and timeliness of infrastructure project delivery and provide better long term value to taxpayers.

Appendix I: Regional and Sectoral Per Capita Infrastructure Spending Analysis

Region	Per Capita Funding Allocated
Cariboo	\$712M
Kootenays	\$478M
Northern East	\$571M
Thompson Okanagan	\$374M
Vancouver Island / Coast	\$422M
North Coast and Nechako	\$492M
Mainland / Southwest	\$335M

Sector	Per Capita Funding Allocated
Post Secondary	\$514M
Housing	\$446M
Schools	\$152M
Communities	\$226M
Transportation	\$167M
Justice and Other	\$86M
Health	\$70M

*Figures BC Budget September Update 2009-12-01

*For a summary of the publicly available inventory of BC Infrastructure Projects see Appendix II

Appendix II: Inventory of Infrastructure Projects

Project	Community	Funding	Expected Start	Sector
Highway Improvements – South Cariboo	100 Mile House	\$25M	Planning underway	Transportation
South Cariboo Highway Improvements	100 Mile House	\$25M	Planning Underway	Transportation
Water System Upgrades	100 Mile House	\$297,600	Fall 2009	Communities
Cariboo Regional District Trails & Recreation	108 Mile	\$261,304	Spring 2009	Communities
Abbotsford Trail (Discovery Trail) - Williband Creek to Whatcom Road	Abbotsford	\$939,826	Spring 2009	Communities
McCallum Road Interchange	Abbotsford	\$16.6M	Planning underway	Transportation
Supportive housing - Abbotsford	Abbotsford	\$11M	Planning underway	Housing
Local Road Upgrades	Alert Bay	\$290,000	Planning underway	Communities
Highway 97 improvements	Armstrong	\$20.0M	Fall 2009	Transportation
Bamfield Water System Upgrades	Bamfield	\$160,000	Spring 2009	Communities
Community Park Improvement Facilities	Barriere	\$400,000	Spring 2009	Communities
Community Park Multi-Use Greenway	Barriere	\$54,000	Spring 2009	Communities
Highway 5 Improvements	Barriere	\$6M	Planning underway	Transportation
New Beverly Fire Rescue Facility	Beverly - Fraser Fort George Regional District	\$400,000	Spring 2009	Communities
Blue River Water System Upgrade	Blue River	\$777,000	Planning underway	Communities
911 Emergency Services Infrastructure	Bulkley-Nechako	\$375,000	Spring 2009	Communities
BC Institute of Technology	Burnaby	\$39.1M	Spring 2009	Education
Simon Fraser Renovations	Burnaby	\$49.4M	Spring 2009	Education
South Slope Elementary School Remediation	Burnaby	\$1.3M	Summer 2009	Education
Burns Lake Energy Plan	Burns Lake	\$273,584	2009 survey & design phase	Towns for Tomorrow
Nechako Highway Improvements	Burns Lake	\$8.5M	Planning underway	Transportation
Cache Creek Water Disinfection Project	Cache Creek	\$150,400	Planning underway	Communities
Campbell River School Capital Projects	Campbell River	\$14M	Summer 2009	Education
Penfield West Linear Park & Pedestrian Controlled Crossings	Campbell River	\$330,284	Spring 2009	Communities
Supportive Housing	Campbell River	\$7.3M	Summer 2009	Housing
Headwaters Walkway	Canal Flats	\$243,200	Summer 2009	Communities
Cariboo Senior's Rental Housing Initiative	Cariboo	\$5.4M	Spring 2009	Housing
Horse Lake & Canim Lake Water System Improvements	Cariboo Regional District	\$1.0M	Planning underway	Communities
5th Street & 7th Avenue Walkways	Castlegar	\$461,000	Spring 2009	Communities
Hazard Beacon Project (Castlegar Airport Night Aircraft Operations)	Castlegar	\$356,250	Planning underway	Communities
Selkirk College	Castlegar	\$1.88M	Summer 2009	Education
Cedar Heights Water System Universal Metering	Cedar Heights	\$198,759	Spring 2009	Communities
Central Kootenay Energy Efficiency	Central Kootenay Regional District	\$375,000	Spring 2009	Communities
Highway 1 improvements	Chase	\$42.0M	Planning underway	Transportation

Project	Community	Funding	Expected Start	Sector
Legacy Housing Project	Chetwynd	\$400,000	Spring 2009	Communities
Ford Mountain Upgrades	Chilliwack	\$619,000	Spring 2009	Public Safety & Solicitor General
Sidewalk Construction	Chilliwack	\$102,767	Spring 2009	Communities
University of the Fraser Valley	Chilliwack	\$7.22M	Spring 2009	Education
Skeena Industrial Development Park	City of Terrace	\$1.3M	Planning underway	Communities
Clinton Memorial Hall Expansion/Upgrade	Clinton	\$168,342	Summer 2009	Communities
Coldstream Elementary School Replacement	Coldstream	\$13.4M	Planning underway	Education
Middleton Mountain Park	Coldstream	\$375,000	Summer 2009	Communities
Guthrie Road Bike Lanes	Comox	\$49,350	Planning underway	Communities
New Conseil scolaire francophone (CSF) school	Comox	\$24.9M	Spring 2009	Education
Transit & Pedestrian Amenities	Comox	\$375,000	Spring 2009	Communities
Coquitlam Schools	Coquitlam	\$50M	Summer 2009	Education
Whiting-Westview Bike Route	Coquitlam	\$59,063	Spring 2009	Communities
Highway 19 Widening	Courtenay	\$1.5M	Summer 2009	Transportation
Royston Elementary building envelope remediation	Courtenay	\$1M	Summer 2009	Education
Cowichan Pharmacy	Cowichan	\$2M	Summer 2009	Health
Kerry Village Sewer System Upgrades	Cowichan Valley Regional District	\$400,000	Summer 2009	Communities
College of the Rockies	Cranbrook	\$12.7M	Spring 2009	Education
East Kootenay Highway Improvements	Cranbrook	\$29.5M	Planning underway	Transportation
16th Avenue Sidewalk	Creston	\$117,450	Summer 2009	Communities
Wastewater Treatment Plant Improvements	Creston	\$3.14M	Planning underway	Communities
Cumberland Lagoon Upgrading	Cumberland	\$400,000	Spring 2009	Communities
Lungul Reservoir Upgrades	Dawson Creek	\$341,340	Summer 2009	Communities
Northern Lights College	Dawson Creek	\$2.5M	Spring 2009	Education
South Peace Highway Improvements	Dawson Creek	\$40M	Planning underway	Transportation
Denman Island Water Quality Improvement	Denman Island - Comox Valley Regional District	\$377,600	Spring 2009	Communities
Kawkawa Lake Upgrades & Memorial Park Tennis Courts	District of Hope	\$188,426	Spring 2009	Communities
East Mission Heritage Gateway	District of Mission	\$573,005	Summer 2009	Communities
Bowker Creek Greenway	District of Saanich	\$235,000	Spring 2009	Communities
Centennial Park	Duncan	\$275,442	Spring 2009	Communities
Craig Street Downtown Revitalization	Duncan	\$400,000	Spring 2009	Communities
Vancouver Island University – Cowichan Campus	Duncan	\$26.6M	Summer 2009	Education
Eddie Mountain Memorial Arena	East Kootenay Regional District	\$375,000	Spring 2009	Communities
Mountain Meadows Upgrade & Expansion	Elkford	\$357,600	Spring 2009	Communities
Non-Residential Metering project	Enderby	\$398,400	Spring 2009	Communities
Galloping Goose Regional Trail Section Upgrade	Esquimalt (Capital Regional District)	\$275,387	Spring 2009	Communities

Project	Community	Funding	Expected Start	Sector
Chase-Falkland Road Improvements	Falkland	\$1.2M	Summer 2009	Transportation
Falkland Water system Improvements – Phase 1	Falkland	\$900,000	Planning underway	Communities
Faulder Water System Improvements	Faulder	\$610,000	Planning underway	Communities
Faulder Water Well	Faulder	\$332,800	Spring 2009	Communities
NW Reservoir / James White Well	Fernie	\$4.8M	Planning underway	Communities
North Westside Water Supply & Well Construction	Fintry - Central Okanagan Regional District	\$400,000	Planning underway	Communities
Fort Nelson Community Trail Master Plan Project	Fort Nelson	\$602,676	Spring 2009	Communities
Highway 77 Improvements	Fort Nelson	\$6M	Summer 2009	Transportation
Raw Water Supply Energy Efficiency Project	Fort Nelson	\$400,000	Planning underway	Communities
Sierra Yoyo Desan Road - Horn River Basin upgrade	Fort Nelson	\$187M	Spring 2009	Transportation
Community Hall/Convention Center Improvements	Fort St. James	\$400,000	Summer 2009	Communities
North Peace Highway Improvements	Fort St. John	\$11M	Planning underway	Transportation
Wastewater Treatment Plant Upgrades	Fort St. John	\$1.7M	Planning underway	Communities
Community Trail	Fort. St. John	\$494,863	Spring 2009	Communities
Fraser Lake Arena Upgrades	Fraser Lake	\$352,732	Spring 2009	Communities
Hatzic Prairie Water System Extension	Fraser Valley	\$985,600	Planning underway	Communities
Gibsons Aquifer Mapping Program	Gibsons	\$400,000	Spring 2009	Communities
Arena Refrigeration Plant Upgrade	Gold River	\$360,000	Summer 2009	Communities
Civic Centre Redevelopment	Golden	\$400,000	Summer 2009	Communities
Highway 1 improvements	Golden	\$63.0M	Planning underway	Transportation
Grand Forks LocalMotion Project	Grand Forks	\$712,000	Spring 2009	Communities
Granthams Landing Water System Upgrade	Granthams Landing - Sunshine Coast Regional District	\$400,000	Spring 2009	Communities
Memorial Hall Renovations	Harrison Hot Springs	\$400,000	Spring 2009	Communities
Sewer, Street & Sidewalk Renewal	Hazelton	\$400,000	Spring 2009	Communities
Hope Arena Roof Replacement & Enhanced Dressing Room Project	Hope	\$375,000	Spring 2009	Communities
Kawkawa Lake Road Bridge Replacement	Hope	\$6.6M	Planning underway	Communities
Houston Walking/Biking Circle Network	Houston	\$262,500	Summer 2009	Communities
Well Water No. 1 - Backup Power	Houston	\$192,104	Spring 2009	Communities
Invermere & District Hospital Redevelopment	Invermere	\$4.3M	Summer 2009	Health
Road Upgrades	Invermere	\$400,000	Planning underway	Communities
Westside Pathway System	Invermere	\$198,966	Spring 2009	Communities
Kamloops Regional Correctional Centre Upgrades	Kamloops	\$1.5 million	Summer 2009	Justice
Provincial Wildfire Coordination Centre	Kamloops	\$3M	Summer 2009	Forests & Range
Singh Street Multi-Use Pathway	Kamloops	\$182,933	Spring 2009	Communities
Thompson Rivers University	Kamloops	\$5M	Spring 2009	Education
Thompson Rivers University – Library	Kamloops	\$23.85M	Spring 2009	Education

Project	Community	Funding	Expected Start	Sector
Wastewater Treatment Plant Upgrade	Kamloops	\$14.2M	Planning underway	Communities
City Hall Improvements	Kaslo	\$202,400	Planning underway	Communities
Lakeview Trail Project	Kaslo	\$19,951	Spring 2009	Communities
Gordon Drive Multi-Purpose Pathway	Kelowna	\$700,000	Spring 2009	Communities
Highway 33 Widening	Kelowna	\$23.5M	Summer 2009	Transportation
Supportive Housing Developments	Kelowna	\$22.7M	Summer 2009	Housing
University of BC – Okanagan	Kelowna	\$2.86M	Spring 2009	Education
Walker Hill Lane	Kelowna	\$39M	Fall 2009	Transportation
Highway No. 9 & Morrow Road Intersection Improvements	Kent	\$400,000	Underway	Communities
Library Expansion	Kimberley	\$369,939	Planning underway	Communities
Peak to Platzl Trail	Kimberley	\$456,250	Summer 2009	Communities
Walkway Rejuvenation	Kitimat	\$375,000	Summer 2009	Towns for Tomorrow
Thornhill Water System Woodlands Integration	Kitimat-Stikine Regional District	\$400,000	Spring 2009	Communities
Christina Living Arts Centre – Living Machine	Kootenay Boundary Regional District	\$320,000	Spring 2009	Communities
Energy Efficiency Project	Kootenays		Planning underway	Education
Kootenay Senior's Rental Housing Initiative	Kootenays	\$3.96M	Spring 2009	Housing
Aggie Multi-Use Field Enhancement Project	Ladysmith	\$375,000	Spring 2009	Communities
Woodsdale Road Tennis Court Construction	Lake Country	\$311,250	Spring 2010	Communities
Domestic Water Metering	Lake Cowichan	\$400,000	Summer 2009	Communities
Improving Active Transportation Along Goldstream Avenue	Langford	\$244,293	Spring 2009	Communities
Aldergrove Water Treatment Plant & Heat Recovery	Langley	\$67,000	Planning underway	Communities
Langley Community Corrections office	Langley	\$150,000	Summer 2009	Public Safety & Solicitor General
Langley Memorial Hospital Renovations	Langley	\$4.4M	Spring 2009	Health
Nicomekl Bridge Replacement	Langley	\$5.29M	Planning underway	Communities
Pedestrian Bridge at Bedford Landing	Langley	\$154,511	Spring 2009	Communities
District of Lillooet Conservation & Reduction Project	Lillooet	\$400,000	Spring 2009	Communities
Lillooet Main Street Multiuse Pathway	Lillooet	\$120,000	Summer 2009	Communities
Fire Rescue & Emergency Response Vehicle	Lions Bay	\$271,728	Summer 2009	Communities
Lower Lions Bay Water Line Replacement	Lions Bay	\$583,332	Planning underway	Communities
District of Logan Lake Wastewater Upgrade	Logan Lake	\$196,704	Summer 2009	Communities
Maple Street Bridge Replacement	Lumby	\$400,000	Planning underway	Communities
Shuswap Avenue Pathway	Lumby	\$115,067	Spring 2009	Communities
Alouette Women's Correctional Centre & Fraser Regional Correctional Centre Upgrades	Maple Ridge	\$17.3M	Summer 2009	Justice
Justice Institute of BC	Maple Ridge	\$1.63M	Spring 2009	Education
North Alouette River Greenway Bridge Crossing	Maple Ridge	\$49,500	Spring 2009	Communities
Supportive housing – Maple Ridge	Maple Ridge	\$9.2M	Fall 2009	Housing

Project	Community	Funding	Expected Start	Sector
Webster's Corners building envelope remediation	Maple Ridge	\$650,000	Summer 2009	Education
Northwest Drive Path	Masset	\$39,179	Spring 2009	Communities
Water Metering & Conservation Project	McBride	\$300,000	Spring 2009	Communities
City Centre Enhancement	Merritt	\$300,000	Spring 2009	Communities
Nicola Valley Institute of Technology	Merritt	\$1.98M	Spring 2009	Education
Morrow Bridge Replacement	Metchosin	\$400,000	Summer 2009	Communities
Christine Morrison Elementary Remediation	Mission	\$700,000	Summer 2009	Education
Highway Improvements for Mission	Mission	\$17.5M	Planning underway	Transportation
Domestic Water Well #2, Generator Backup & Distribution System Upgrade	Nakusp	\$400,000	Spring 2009	Communities
Nanaimo Correctional Centre Upgrades	Nanaimo	\$1.5 million	Summer 2009	Justice
Nanaimo Hospital Upgrades	Nanaimo	\$46.3M	Planning underway	Health
Nanaimo Supportive Housing	Nanaimo	\$14.95M	Fall 2009	Housing
Nanaimo Supportive Housing	Nanaimo	\$14.95M	Fall 2009	Housing
South Fork Water Treatment Plant	Nanaimo	\$17.8M	Planning underway	Communities
Kootenay Lake Hospital Redevelopment	Nelson	\$15.3M	Summer 2009	Health
Sewer Upgrades	Nelson	\$375,000	Planning underway	Communities
Sidewalk Upgrades	Nelson	\$241,750	Spring 2009	Communities
Municipal Office/Works Building Upgrade	New Denver	\$335,986	Spring 2009	Communities
Douglas College	New Westminster	\$7.3M	Spring 2009	Education
Queen Elizabeth Community School Remediation	New Westminster	\$900,000	Summer 2009	Education
Magic Lake Estates Water System Upgrades	North Pender Island	\$5.25M	Planning underway	Communities
Capilano Road Improvements	North Vancouver	\$2.0M	Planning underway	Communities
North Shore Spirit Trail	North Vancouver	\$2M	Fall 2009	Transportation
Energy Efficiency Project	Northern B.C.		Planning underway	Education
Northern B.C. Senior's Rental Housing Initiative	Northern B.C.	\$18.72M	Spring 2009	Housing
Beach Drive Upgrade	Oak Bay	\$321,000	Planning underway	Communities
Oliver Water Supply Remediation	Oliver	\$394,400	Spring 2009	Communities
Southern Okanagan Secondary – renovations & expansion	Oliver	\$27.5M	Fall 2009	Education
Sewage Lagoon Aeration System	Osoyoos	\$322,400	Summer 2009	Communities
Family Place	Parksville	\$5.8M	Spring 2009	Children & Families
Moilliet Street Upgrade	Parksville	\$1.7M	Planning underway	Communities
Wright Road - Water Distribution Upgrade	Parksville	\$105,000	Summer 2009	Communities
Buick Creek Arena	Peace River	\$400,000	Spring 2009	Communities
Turner Avenue Sidewalk Improvements	Peachland	\$396,000	Spring 2009	Communities
Lower Mainland Senior's Rental Housing Initiative	Pemberton	\$3.24M	Spring 2009	Housing
One Mile Lake Accessible Trail Improvements	Pemberton	\$40,000	Spring 2009	Communities
Water Metering & Leak Detection	Pemberton	\$400,000	Spring 2009	Communities
Okanagan College	Penticton	\$28M	Spring 2009	Education
Penticton Community Corrections Office	Penticton	\$600,000	Summer 2009	Public Safety & Solicitor General

Project	Community	Funding	Expected Start	Sector
Treated Water Supply & Upgrade	Penticton	\$3.4M	Planning underway	Communities
China Creek Water Main Replacement Phase 2	Port Alberni	\$1.1M	Planning underway	Communities
Port Alice Community Centre Upgrades	Port Alice	\$400,000	Spring 2009	Communities
Sewage Treatment Facility Upgrade	Port Clements	\$98,742	Summer 2009	Communities
Coast Meridian Overpass	Port Coquitlam	\$2M	Planning underway	Transportation
North Fraser Pretrial Centre upgrades	Port Coquitlam	\$6M	Summer 2009	Attorney General
Water Main Replacement	Port Edward	\$400,000	Spring 2009	Communities
Water Main Replacement	Port Edward	\$1.0M	Planning underway	Communities
E-Friendly & Accessibility Retrofit Port Hardy Curling Club	Port Hardy	\$155,200	Spring 2009	Communities
Rehabilitation of Roads	Port Hardy	\$1.5M	Planning underway	Communities
Noons Creek Bridge Replacement	Port Moody	\$1.0M	Planning underway	Communities
Port Renfrew Fire & Community Centre	Port Renfrew (Capital Regional District)	\$400,000	Summer 2009	Communities
Lagoon Berm Stabilization	Pouce Coupe	\$175,000	Planning underway	Communities
Pouce Coupe Fire Hall	Pouce Coupe	\$400,000	Spring 2009	Communities
Grief Point Elementary Replacement	Powell River	\$15.6M	Winter 2009	Education
Sidewalk Development Program	Powell River	\$375,000	Spring 2009	Communities
Texada Island Tennis Court	Powell River Regional District	\$57,420	Spring 2009	Communities
Audible Signal Retrofit	Prince George	\$113,788	Spring 2009	Communities
College of New Caledonia – Prince George Campus	Prince George	\$19.75 M	Summer 2009	Education
Courthouse & Regional Correctional Centre Enhancements	Prince George	\$2.5M	Planning underway	Justice
Highway Improvements	Prince George	\$64M	Planning underway	Transportation
Local Highway Improvements	Prince George	\$55M	Planning Underway	Transportation
Prince George Regional Correctional Centre Upgrades	Prince George	\$3.9M	Summer 2009	Justice
Stone Creek Bridge Replacement	Prince George	\$28M	Fall 2009	Transportation
University of Northern BC	Prince George	\$21.7M	Spring 2009	Education
University of Northern BC	Prince George	\$21.7M	Spring 2009	Education
Hays Creek Sewer Relocation	Prince Rupert	\$2.6M	Planning underway	Communities
Improved Pathways	Prince Rupert	\$100,000	Spring 2009	Communities
McClymount Park Fitness Portal	Prince Rupert	\$45,000	Spring 2009	Communities
Library Relocation	Princeton	\$400,000	Spring 2009	Communities
Highway 1 improvements	Pritchard	\$19.5M	Planning underway	Transportation
Berwick Water Supply Upgrade	Qualicum Beach	\$2.2M	Planning underway	Communities
Roundabout Construction	Qualicum Beach	\$375,000	Planning underway	Communities
School Connector Trail Upgrades	Qualicum Beach	\$100,000	Summer 2009	Communities
College of New Caledonia – Quesnel Campus	Quesnel	\$9.9M	Summer 2009	Education
Dragon Hill/Valhalla Trail	Quesnel	\$82,858	Spring 2009	Communities
Drinking Water Upgrades	Quesnel	\$375,000	Planning Underway	Communities
Highway 97 Expansion	Quesnel	\$10M	Spring 2010	Transportation

Project	Community	Funding	Expected Start	Sector
Columbia Avenue Sidewalk	Radium Hot Springs	\$20,000	Summer 2009	Communities
New Fire Hall	Radium Hot Springs	\$400,000	Planning underway	Communities
Drinking Water & Watershed Protection Monitoring	Regional District of Nanaimo	\$221,625	Summer 2009	Communities
Meadow Drive Community Park Development	Regional District of Nanaimo	\$36,991	Spring 2009	Communities
Highway 1 improvements	Revelstoke	\$29.0M	Planning underway	Transportation
Phase 3 Expansion of the District Heating System	Revelstoke	\$375,000	Planning underway	Communities
River Trail	Revelstoke	\$49,967	Spring 2009	Communities
Richmond Hospital Emergency Upgrades	Richmond	\$10M	Summer 2009	Health
Centre Star Gulch Trail	Rossland	\$20,425	Summer 2009	Communities
Topping Creek Intake Replacement, Phase 2	Rossland	\$400,000	Planning underway	Communities
East Saanich Road Renewal	Saanich	\$4.6M	Planning underway	Communities
Road Upgrades	Salmo	\$361,140	Summer 2009	Communities
Sandspit Community Hall Upgrades	Sandspit	\$400,000	Summer 2009	
Storm Water Management & Sewer System Rehabilitation	Sayward	\$184,000	Summer 2009	Communities
East Porpoise Bay Road Upgrades	Sechelt	\$375,000	Summer 2009	Communities
Sechelt Community Corrections office	Sechelt	\$250,000	Summer 2009	Public Safety & Solicitor General
Sechelt Indian Government District - Waterfront Playground	Sechelt	\$31,909	Spring 2009	Communities
Mara Water System Extension	Sicamous	\$388,000	Spring 2009	Communities
Fifth Street Sewer Lift Station Decommissioning	Sidney	\$177,000	Planning underway	Communities
Silverton Water System Upgrade	Silverton	\$400,000	Spring 2009	Communities
Northwest Community College	Smithers	\$16.7M	Summer 2009	Education
Riverside Campground & Ranger Park Trail Improvement	Smithers	\$375,000	Spring 2009	Communities
South Trunk Storm Sewer Project	Smithers	\$1.6M	Planning underway	Communities
Toronto Street to Queen Street Perimeter Trail Connector	Smithers	\$36,000	Spring 2009	Communities
Sooke Town Centre Accessible Sidewalk	Sooke	\$230,199	Spring 2009	Communities
Sorrento Water System Improvements	Sorrento	\$1.4M	Planning underway	Communities
South Hazelton's Water System Upgrade	South Hazelton	\$1.1M	Planning underway	Communities
Armstrong/Spallumcheen New Swimming Pool	Spallumcheen	\$400,000	Spring 2009	Communities
Otter Lake Cross Road Upgrade	Spallumcheen	\$2.0M	Planning underway	Communities
Spences Bridge Water System Upgrade	Spences Bridge	\$459,332	Planning underway	Communities
Howe Sound Secondary School Remediation	Squamish	\$1.1M	Summer 2009	Education
O'Siem Community Pavillion	Squamish	\$375,000	Spring 2009	Communities
Northern Area D Sewerage Project - Phase 1	Strathcona	\$3.4M	Planning underway	Communities
RCMP Detachment Building	Summerland	\$375,000	Summer 2009	Communities
Bridgeview Sewer Upgrades	Surrey	\$5.7M	Summer 2009	Transportation
Kwantlen Polytechnic University	Surrey	\$4.9M	Summer 2009	Education
New & Upgraded Schools	Surrey	\$17M	Planning underway	Education

Project	Community	Funding	Expected Start	Sector
Supportive Housing - Surrey	Surrey	\$32.9M	Planning underway	Housing
Surrey Neighbourhood Justice Centre	Surrey	\$3.3M	Planning underway	Justice
Alpine View Road Re-Construction	Tahsis	\$400,000	Summer 2009	Communities
Local Road Paving Program	Taylor	\$2.3M	Planning underway	Communities
Sewage Treatment Plant Upgrades	Taylor	\$400,000	Spring 2009	Communities
Frank Street Well Emergency Generator	Terrace	\$335,573	Spring 2009	Communities
Grand Trunk Pathway	Terrace	\$94,225	Spring 2009	Communities
Energy Efficiency Project	Thompson/Okanagan		Planning underway	Education
Thompson/Okanagan Senior's Rental Housing Initiative	Thompson/Okanagan	\$8.1M	Spring 2009	Housing
Realtime Turbidity & Chlorine Monitoring System	Thompson-Nicola Regional District	\$400,000	Winter 2009	Communities
Lynn Road & Osprey Lane Roundabout - Chesterman's Beach	Tofino	\$244,800	Spring 2009	Communities
Violin Lake Recreation Plan	Trail	\$375,000	Spring 2009	Communities
Tumbler Ridge Community Centre Building Envelope Upgrade	Tumbler Ridge	\$400,000	Spring 2009	Communities
Wild Pacific Trail Expansion	Ucluelet	\$76,000	Summer 2009	Communities
Downtown Revitalization – Water Main Upgrades	Valemount	\$209,440	Spring 2009	Communities
Earth Systems Science Building	Vancouver	\$75M	Planning underway	Education
SkyTrain & West Coast Express Enhancements	Vancouver	\$280M	Planning underway	Transportation
Social Housing: Atira Women's Resource Society	Vancouver	\$22M	Spring 2009	Housing
Social Housing: Atira Women's Resource Society	Vancouver	\$33M	Spring 2009	Housing
Social Housing: Coast Foundation Society	Vancouver	\$14M	Fall 2009	Housing
Social Housing: Coast Foundation Society	Vancouver	\$30M	Fall 2009	Housing
Social Housing: PHS Community Services Society	Vancouver	\$34M	Spring 2009	Housing
Social Housing: The Lookout Emergency Aid Society	Vancouver	\$37M	Summer 2009	Housing
Vancouver Justice Access Centre	Vancouver	\$971,000	Spring 2009	AG
Vancouver School Projects	Vancouver	\$167M	Planning underway	Education
Vancouver Island Senior's Rental Housing Initiative	Vancouver Island	\$3.6M	Spring 2009	Housing
4th Street Improvement Program	Vanderhoof	\$3.5M	Planning underway	Communities
Ice Arena Energy Efficiency Retrofit	Vanderhoof	\$320,000	Spring 2009	Communities
The Silver Star Water Treatment Upgrade	Vernon	\$400,000	Planning underway	Communities
Transportation Demand Management Initiatives	Vernon	\$533,813	Spring 2009	Communities
Vernon Secondary School Replacement	Vernon	\$42M	Planning underway	Education
Camosun College	Victoria	\$3.75M	Planning underway	Education
École Doncaster Elementary	Victoria	\$4.7M	Summer 2009	Education
Ogden Point Upgrade	Victoria	\$4.5M	Planning underway	Transportation
Royal Roads University	Victoria	\$20M	Planning underway	Education
Supportive Housing - Ellice & Humboldt Streets	Victoria	\$27.4M	Spring 2009	Housing
University of Victoria	Victoria	\$42.5M	Spring 2009	Education
Vancouver Island Regional Correctional Centre Upgrades	Victoria	\$4.5 million	Summer 2009	Justice

Project	Community	Funding	Expected Start	Sector
Victoria Airport Interchange	Victoria	\$24M	Fall 2009	Health
Victoria High-Security Courtroom	Victoria	\$2.5M	Summer 2009	Justice
Eco-Sensitive Waste Water Treatment	Village of McBride	\$1.0M	Planning underway	Communities
Highway 16 Watermain Replacement -Phase 1	Village of Telkwa	\$400,000	Spring 2009	Communities
Wells Water Treatment Plant	Wells	\$379,984	Spring 2009	Communities
Gellatly Bay Recreation Corridor Improvement	West Kelowna	\$170,000	Planning underway	Communities
Sewer Service Extension	West Kelowna	\$6.0M	Planning underway	Communities
LocalMotion – Ambleside	West Vancouver	\$490,503	2009 survey & design phase	LocalMotion
Marine Drive Transit Priority Project	West Vancouver	\$40M	Planning underway	Transportation
Valley Trail - Function Junction to Spring Creek	Whistler	\$375,000	Planning underway	Communities
Vine Ave. Sidewalk Improvement	White Rock	\$87,521	Summer 2009	Communities
Highway 97 Improvements	Williams Lake	\$20M	Planning Underway	Transportation
Highway 97 Improvements – Cariboo Connector	Williams Lake	\$20M	Planning underway	Transportation
Kiwanis Park Accesible Playground	Williams Lake	\$140,000	Spring 2009	Communities
Tourism Discover Centre	Williams Lake	\$150,000	Summer 2009	Communities
Woss Community Hall & Fire Hall upgrades	Woss	\$388,700	Spring 2009	Communities

Appendix III: Overview of Government Stimulus Spending

Infrastructure Stimulus Fund Guidelines

Infrastructure terms of reference were provided to the provinces by the federal government. Project eligibility is clearly outlined in the following pages:

1. Introduction

Budget 2009 establishes a new \$4-billion Infrastructure Stimulus Fund that provides funding towards the rehabilitation or construction of provincial, territorial, municipal and community infrastructure projects. Funding is available for two years for projects that can begin construction quickly and be built during the 2009 and 2010 construction seasons. This initiative is structured to flow funding and get shovels in the ground quickly.

The Infrastructure Stimulus Fund will focus on the rehabilitation of existing assets and new infrastructure that can begin and be completed by March 31, 2011. Given the time-sensitive nature of the stimulus funding, the Infrastructure Stimulus Fund has been designed to ensure maximum flexibility. Funding allocations, project identification, selection and approval, have all been developed to provide the Government of Canada with the necessary flexibility to ensure the most efficient and effective delivery of the program, thus enabling the funds to flow quickly to construction ready projects across Canada.

2. Funding Allocation

The \$4 billion is notionally allocated on a per capita basis for projects in each province and territory. However, should progress be slow, or provinces and territories be unable to match federal funding, funds may be reallocated to federal infrastructure in that province or to other regions of the country where they can be quickly injected into the economy.

3. Program Management and Delivery

Where possible, the Government of Canada will partner with provinces and territories for the management and delivery of the Infrastructure Stimulus Fund.

Funding for projects will generally flow through a single, streamlined Stimulus Fund agreement to be signed with provincial and territorial governments where they are contributing to projects.

To ensure that the program provides economic stimulus quickly, and to ensure partnership with the provinces and territories, the Stimulus Fund is being rolled out in a flexible manner to respond to the conditions and priorities in each jurisdiction. Proposals from municipal and non-

governmental organizations will be considered through different selection processes, depending on the funding available in each province and territory. To accelerate approvals and get funding flowing quickly, we will build on existing programs and avoid duplicative application processes.

Depending on the Province or Territory, municipal and community infrastructure projects could be identified through the following selection processes:

- From recent or current application intakes already closed or underway for the Communities Component of the Building Canada Fund;
- Projects already identified by the province or territory as construction ready;
- Unfunded applications from existing programs, provided they meet Stimulus Fund criteria;
- New calls for proposals under a new provincial or territorial program that meets Stimulus Fund objectives; and/or
- A specific call for Stimulus Fund proposals using a streamlined and accelerated application process.

The specific process for selecting municipal/community projects will depend on the priorities and circumstances in each province and territory, including available matching funding, status of the Building Canada Communities Component and existing or planned provincial and territorial programs. Details on the Fund are posted on the Building Canada website (<http://www.buildingcanada.gc.ca>).

Provincial or territorial infrastructure projects will also be eligible under the Stimulus Fund and will be submitted directly to the federal government for consideration.

4. Eligible Recipients

Eligible Recipients under the Infrastructure Stimulus Fund include:

- a. A province, territory or local or regional government established by or under provincial or territorial statute;
- b. A public sector body that is established by or under provincial or territorial statute or by regulation or is wholly owned by a province, territory or local government;
- c. A non-profit private sector entity; and
- d. A for-profit private sector entity.

5. Eligible Projects

Eligible projects under the Infrastructure Stimulus Fund are for the rehabilitation or retrofit of existing infrastructure assets, or the construction of new infrastructure assets, in eligible categories, that can be substantially completed before March 31, 2011. For the purposes of the Infrastructure Stimulus Fund, a project is deemed to have been substantially completed once all major construction work has been completed and the infrastructure is ready to be used for its

intended purpose. Upon completion of the project, and prior to the final payment by Canada, recipients will be required to provide a Solemn Declaration of Substantial Completion attested to by a registered professional.

To be eligible for funding under the Infrastructure Stimulus Fund, projects will be required to meet requirements with regards to the incrementality of the project, project readiness and merit.

- a. **Project incrementality** – All eligible recipients will be required to attest, in conjunction with their project application, that the work to be undertaken is an incremental construction activity that would not otherwise have been constructed by March 31, 2011, were it not for funding from the Infrastructure Stimulus Fund. Federal funding could be used to provide missing funding that allows a project to proceed, or could be used to accelerate a project planned for future years to be built by March 2011.
- b. **Project readiness** – All eligible recipients will be required to provide information necessary to determine if the project is construction-ready and likely to be substantially concluded by March 31, 2011.
- c. **Project merit** – The project's merit will focus largely on the extent to which a project is construction-ready as well as the extent to which the proposed work is needed to maintain the safety and prolong the economic life of assets.
- d. **Financial leverage** – The Government of Canada is seeking to leverage additional funds from either the province, municipality, not-for profit sector or the private sector to provide additional economic stimulus. The ability for a given project to leverage additional capital will be considered when making project decisions as well.

6. Eligible Project Categories

Projects must fall within the following eligible project categories to be eligible for the Infrastructure Stimulus Fund:

Provincial/Territorial Assets

The following are eligible project categories for provincial/territorial assets:

- i. Highway Infrastructure
- ii. Local Road Infrastructure
- iii. Regional Transit Infrastructure
- iv. Disaster Mitigation Infrastructure
- v. Brownfield Redevelopment Infrastructure
- vi. Cultural Infrastructure
- vii. Port and Cruise ship Infrastructure
- viii. Parks and Trails

Provincial / Territorial Asset means an asset that is owned, or will be owned, by a province or territory or by a public sector body that is established by or under provincial or territorial statute or by regulation or is wholly owned by a province, territory or local government.

Local Government Asset

The following are eligible project categories for local government assets:

- i. Water and Waste Water Infrastructure
- ii. Public Transit Infrastructure
- iii. Local Road Infrastructure
- iv. Disaster Mitigation Infrastructure
- v. Solid Waste Management Infrastructure
- vi. Brownfield Redevelopment Infrastructure
- vii. Cultural Infrastructure
- viii. Airport Infrastructure
- ix. Port and Cruiseship Infrastructure
- x. Municipal Buildings
- xi. Parks and Trails

A Local Government Asset means an asset that is owned, or will be owned, by local or regional government established by or under provincial or territorial statute.

Not-For-Profit Sector Assets

The following are eligible project categories for not-for-profit sector assets:

- i. Temporary Housing Shelters
- ii. Community Centers and Community Services Infrastructure
- iii. Brownfield Redevelopment Infrastructure
- iv. Cultural Infrastructure
- v. Port and Cruise ship Infrastructure

Not-for-profit Sector Asset means an asset that is owned, or will be owned, by an incorporated, not-for-profit, private sector entity.

Private Sector Assets

The following are eligible project categories for private sector assets:

- i. Short-line Rail Infrastructure
- ii. Port and Cruiseship Infrastructure

Private Sector Asset means an asset that is owned, or will be owned, by an incorporated, for-profit, private sector entity.

7. Eligible Costs

Eligible Costs

The Infrastructure Stimulus Fund will share in the capital, construction costs of eligible, approved infrastructure projects.

Eligible costs are costs considered to be direct and necessary for the successful implementation of an eligible project, excluding those explicitly identified in Ineligible Costs.

All eligible costs outlined above can only be reimbursed to the recipient following the signing of a contribution agreement.

Ineligible Costs

Ineligible costs associated with a project will not be reimbursed under the Infrastructure Stimulus Fund and include the following:

- i. costs incurred prior to the date established by the Minister in a letter to the recipient for eligibility consideration;
- ii. costs incurred for projects that are intended to be substantially completed after March 31, 2011;
- iii. land acquisition, leasing land, buildings, equipment and other facilities, real estate fees and related costs;
- iv. financing charges, legal fees and loan interest payments (including those related to easements (e.g. surveys);
- v. any goods and services costs which are received through donations or in-kind;
- vi. employee wages and benefits, overhead costs as well as other direct or indirect operating, maintenance and administrative costs incurred by the ultimate recipient for the eligible project(s), and more specifically costs relating to services delivered directly by permanent employees of the ultimate recipient, or a Crown corporation or corporation owned and controlled by the ultimate recipient; and
- vii. provincial sales tax and Goods and Services tax, for which the ultimate recipient is eligible for a rebate, and any other costs eligible for rebates.

8. Cost-sharing

The federal government will provide a share of the eligible costs of an infrastructure project, under the Infrastructure Stimulus Fund as follows:

Cost Sharing for Provincial/Territorial Assets

Federal funding for provincial or territorial assets, from all federal sources, will not exceed a maximum of 50 percent (50 percent) of the total eligible costs of the project.

Cost Sharing for Local Government or Non-Profit Sector Assets

Federal funding from the Infrastructure Stimulus Fund for local government and non-profit sector assets will be one-third (33.3 percent) of total eligible project costs. On an exceptional basis, the federal share of funding may be up to 50 percent (50 percent) of total eligible project costs. The federal share of the project, from all federal sources (for example, Gas Tax) cannot exceed 50 percent (50 percent) of total eligible project costs.

Cost Sharing for Private Sector Assets

The maximum share of funding for private sector assets, from all federal sources, will be 25 percent (25 percent) of total eligible costs.

9. Expiration of Infrastructure Stimulus Fund

All projects are required to begin and materially end construction prior to March 31, 2011. Should this condition of funding not be met, Canada shall have the right to cancel funding in whole or in part, and further, Canada shall have the right to be repaid any funding advanced, in whole or in part, for any project that is not completed by the end of the program.

The Minister of Transport, Infrastructure and Communities may cancel funding for any project that has not begun construction within sixty (60) days of its start date.

10. Reporting and Public Information

All recipients of funding for a project, funded under the Infrastructure Stimulus Fund, will be required to submit quarterly progress reports, detailing progress on the implementation of the project, amounts received from Canada broken down by class of asset and project, and an overall update on the project status. Payments will be conditional upon receipt of these reports.

11. Environmental Assessment

Projects receiving federal funding may require and environmental assessment under the **Canadian Environmental Assessment Act**. The information requested in the project will help to determine whether an assessment is required. Construction should not begin on the project pending this review.