

Public (when completed)

Common Government

New

Ministry	
Transportation and Economic Corridors	
Describe: Basic Job Details	
Position	
Position ID	Position Name (30 characters)
	Infrastructure Engineer
Requested Class	7
Job Focus	Supervisory Level
Operations/Program	00 - No Supervision
Agency (ministry) code Cost Centre Program Code: (e	enter if required)
Employee	
Employee Name (or Vacant)	
Organizational Structure	
Division, Branch/Unit	
Construction and Maintenance - NCR	Current organizational chart attached?
Supervisor's Position ID Supervisor's Position Name (30 character	s) Supervisor's Current Class
Design: Identify Job Duties and Value	
Job Purpose and Organizational Context	
Why the job exists:	
To provide comprehensive highway planning for the North	
roadside development planning issues/requirements (short	
planning/programming/construction and operations branch	
1	vincial grants program for municipalities providing financial
assistance for municipal governments and organizations in	
	planning studies/recommendations that are technically sound,
	supported by internal and external stakeholders. To promote
implementation of planning objectives/study recommendat	- · · · · · · · · · · · · · · · · · · ·
Region (construction, operations and maintenance) and three	ough follow-up liaison with municipal stakeholders.
Responsibilities	
Job outcomes (4-6 core results), and for each outcome, 4-6 corresponding	g activities:

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1. Identify and initiate highway planning studies to address functional, network and roadside development/access

management issues within the North Central and Fort McMurray Regions.

Activities:

- As a project administrator for regional planning initiatives, prepare project Terms of Reference, select engineering consultants, chair Technical Review Committees (TRC) with municipal stakeholders, department representatives and engineering consultants and ensure the delivery of completed planning studies. Lead the TRC in its role of providing the consultant with relevant information available from various department sources, identifying local issues to be evaluated by the consultant, monitoring the study progress and providing technical direction or guidance to the consultant.
- As project administrator ensure ongoing liaison with local stakeholders, the TRC, and the consultant, keeping apprised of project issues, developments, and ensure any conflicting objectives of the various stakeholders' are addressed achieving the required study outcomes/recommendations within the specified project scope, timelines and allotted budget.
- Review draft reports and final reports provided by the consultant for technical accuracy and adherence to project Terms of Reference. Clearly identify potentially contentious or politically sensitive issues for information and direction by department officials.
- Identify and recommend planning studies that address both regional and provincial needs.
- 2. Administration of the Alberta Transportation and Economic Corridors grant program for the North Central Region.

Activities:

- Provide and review grant information on eligibility, funding, and application processes with Municipalities.
- Review grant application packages confirming eligibility
- Through ongoing liaison with Municipalities administer and support approved grants.
- 3. Participate in and provide local input on planning issues at Technical Review Committee meetings as well as providing comment and suggestions regarding the technical merit of draft information provided by engineering consultants. Participate as Regional liaison and provide local input on more complex projects initiated for the region by senior department planning experts.

Activities:

- Participate in and provide local input on planning issues at Technical Review Committee meetings as well as
 providing comment and suggestions regarding the technical merit of draft information provided by
 engineering consultants.
- 4. Provide contract administration of professional service agreements for planning studies to address network requirements for future highway upgrades within the Region

Activities:

- Prepare project synopsis and terms of reference for planning studies, identifying project scope and issues to be addressed.
- Initiate engineering consultant selection; negotiate quotations to ensure study objectives are achieved within defined scope of work for a reasonable dispersal amount. Coordinate contract approvals through the Region, Professional Services and Programming to ensure that funds are identified and approved for forthcoming assignments.
- As expenditure officer, monitor invoices and approve payments with approved limits and track expenditures for projects during all phases.
- Through ongoing liaison with the consultant, ensure timely completion of draft and final reports, on budget and within predetermined scope, meeting all milestones and achieving all deliverables. When a project scope changes, ensure the appropriateness of the work in light of changing environment or direction identified through the course of a project and seek necessary approvals for additional work.
- Conduct consultant performance appraisals with a goal to enhance future performance and increase consultant awareness of department policies, procedures and accepted practices.
- 5. Promote implementation of outcomes and recommendations from planning studies and provide continuity in transfer of accepted information to stakeholders to ensure that planning recommendations are realized and programmed for implementation in a timely manner both in the short term and as provincial priorities and budgets allow over the longer term.

Activities:

• Attend cross business unit functional meetings (construction, operations and property) to summarize planning

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recommendations from specific studies as well as one-on-one meetings as necessary to keep delivery units apprised of potentially contentious issues, staging considerations or other information they require to deliver their programs in an effective manner.

- Attend meetings with local municipalities to discuss planning study recommendations, potential staging of improvements and identify opportunities for developing mutually beneficial implementation strategies for referral to senior management for approvals.
- Circulate final reports to all departmental and municipal stakeholders and follow up on questions or issues that may arise.
- 6. Prepare correspondence to encourage implementation of planning objectives and grants to update stakeholders on the department's policies, procedures, plans and programs within the context of specific planning and grant issues such as access management, functional and network plans and roadside development issues affecting long term highway plans. Provide information and recommendations to departmental officials concerning specific planning and grant issues of contentious or politically sensitive nature.

Activities:

- Provide briefing notes to senior officials to give background, identify issues and provide a recommended response or decision regarding specific planning and grant issues raised by municipalities or the general public within the North Central Region.
- Formulate draft response to action requests based upon current planning, grants, programming and department policies and standards.
- Other correspondence as required, including status reports, summaries, etc. in support of information dissemination to stakeholders.
- 7. Organize and track Grants, Geometric Assessments, Safety Assessments and Planning Study recommendations. **Activities:**
 - Work with other Regional Business Units to identify projects requiring geometric assessments as opposed to functional planning studies and provide recommended solutions to Regional management.
 - Work with the department's Technical Standards Branch or other Regional staff to administer grants, identify intersections, interchanges or roadway sections that require safety, illumination, signal and railway crossing assessments. Prioritize locations and provide list to Regional Business Units for action.
 - Identify projects resulting from planning activities for consideration in future construction programs.
 - Participate in the region's annual ranking of planning studies.
- 8. Other related duties in support of documentation and maintaining records for grants, and plans and files on specific planning issues.

Activities:

- Provide copies of final reports, including electronic copies in acceptable format for central filing.
- Coordinate plan preparation for key plans and other plans required for planning studies to ensure appropriate formats, scales, labeling, etc. to satisfy departmental requirements and provide sufficient information for client use.
- Prepare, monitor and administer cost share agreements with municipalities.
- Work on special projects of an engineering/technical nature on an assigned basis.
- 9. Preparation of Scoping Projects

Activities:

- Prepare detailed Scope of construction projects
- Site visits for the construction projects as needed
- Coordinate meetings with Construction, Operations, Programming, Bridges branches as required
- Prepare scoping documents for Manager's approval
- Review planning studies and report for the construction projects
- Secure funding for the projects

Conduct field inspections to obtain familiarity with the rural transportation network; to note changes to the network from land or resource development.

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Problem Solving			
Typical problems solved:			
Typical problems served.			
Types of guidance available for problem	solving:		
Direct or indirect impacts of decisions:			
Key Relationships			
Major stakeholders and purpose of intera	actions:		
Operate as an Infrastructure Plan Highway 616 in the south, to the Park boarder in the west and the	e border with the Northwest T	Cerritories in the north, as well	
Stakeholders include consultants such as Commercial Transport Adepartment, other government department. The value of the studies reon future costs of construction won complexity but can range from Technical Review Committees.	Advisory groups or landowner epartments, as well as the pul- epresent a direct cost of approvith decisions/recommendation	r associations, departmental stablic at large. Coordinates 2-3 pximately \$500,000 but can havens on multi-million dollar opti	aff in other branches of the planning study activities each ve very significant bearing ions. Study duration depends
Responsible for the Provincial Haffecting planning on the Provin	•	egion, with some involvement	with local roads issues
As regional grant administrator, program and outcomes through oprogram.	**		1
Refer decisions, issues and recorrequired to commit to a substant		nd contentious nature or where	the department may be
Contacts: Regional Business Un	its, TSB, Professional Service	es, municipalities, consultants	and the public.
Required Education, Experienc	ce and Technical Competer	ncies	
Education Level	Focus/Major	2nd Major/Minor if applicable	Designation
Bachelor's Degree (4 year)	Engineering		
If other, specify:			

Job-specific experience, technical competencies, certification and/or training:

- Knowledge of engineering theory, principles and practices as it relates to the highway network and vicinity.
- Knowledge of departmental policy, procedures, practices and standards as well as business goals and objectives as they relate to planning and grant issues.
- Knowledge of accepted national highway design and planning standards as well as business goals and objectives as they relate to planning issues.
- Knowledge and understanding of department guidelines for planning agreements and project specifications.
- Ability to operate in a team environment and to function successfully as a team leader.
- Strong leadership skills (eg. as chairman of TRC's, task assignments, prioritize competing activities, monitor expenditures.

• Proficiency in computer software applications

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- Excellent communication and interpersonal skills, both verbal and written.
- Ability to resolve conflicts and to analyze problems and situations to provide clear direction and solutions to issues.
- Organizational skills, time management, etc. in the coordinating of studies.
- Knowledge of the cross-functional roles and responsibilities of branches within the department.
- Eligibility for membership in APEGA.
- Valid Class 5 driver's license

Behavioral Competencies

Pick 4-5 representative behavioral competencies and their level.

Competency	Level A B C D E	Level Definition	Examples of how this level best represents the job
Systems Thinking		Takes a long-term view towards organization's objectives and how to achieve them: • Takes holistic long-term view of challenges and opportunities • Anticipates outcomes and potential impacts, seeks stakeholder perspectives • Works towards actions and plans aligned with APS values • Works with others to identify areas for collaboration	
Creative Problem Solving		Engages the community and resources at hand to address issues: • Engages perspective to seek root causes • Finds ways to improve complex systems • Employs resources from other areas to solve problems • Engages others and encourages debate and idea generation to solve problems while addressing risks	
Agility		Proactively incorporates change into processes: Creates opportunities for improvement Is aware of and adapts to changing priorities Remains objective under pressure and supports others to manage their emotions Proactively explains	

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Director / Executive Director Name	Date yyyy-mm-dd	Director / Executive Director Signature	•
Supervisor / Manager Name	Date yyyy-mm-dd	Supervisor / Manager Signature	
Employee Name	Date yyyy-mm-dd	Employee Signature	
Assign The signatures below indicate that all parties required in the organization.	have read and agree that the job	description accurately reflects the wo	ork assigned and
List 1-2 potential comparable Government of Albe	erta: <u>Benchmark</u>		
Benchmarks			
	change	nd integrates in existing work y adapts plans ctices	

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