

※ Please complete the form and mark on the box.

General Information	
■ Job Title	Traffic Communication specialist
■ Location, Country	San José, Costa Rica
■ Duration	<input type="checkbox"/> 6 months <input checked="" type="checkbox"/> 12 months
■ Expected Starting Date	<input type="checkbox"/> November 2016 ~ <input type="checkbox"/> December 2016 ~ <input checked="" type="checkbox"/> No preference
Detailed information of the requesting organization	
<p>■ Organization Name : Ministry of Public Works and Transportation</p> <ul style="list-style-type: none"> <li>- Requesting Department : Sectoral Planning Secretariat</li> <li>- Office Name : Strategic Multimodal Planning of Infrastructure and Transportation</li> </ul>	
<p>■ Type of Organization</p> <p>1) <input checked="" type="checkbox"/> Government    <input type="checkbox"/> Public organization    <input type="checkbox"/> Public corporation</p> <p><input type="checkbox"/> Others :</p>	
<p>■ Working Day/Hours : Monday thru Friday, 7:00 to 15:00</p>	
<p>■ Contact Person : Christian Fernández Camacho</p>	
<p>■ Tel/Fax/E-mail : (506)2523-2699, (506)2523-2603, cfernanc@mopt.go.cr</p>	
<p>■ Office Location : Central Headquarters of Ministry of Public Works and Transportation, Plaza González Víquez, San José.</p>	
<p>■ Major activities of the Organization (Please list at least three)</p> <ul style="list-style-type: none"> <li>- To define based on technical studies and plans, the priorities in construction and maintenance of road, seaport and airport infrastructure.</li> <li>- Planning, regulation, construction, improvement, maintenance, operation and management of roads, seaports, airports.</li> <li>- Regulation and control of transport of merchandises, by road and railways.</li> <li>- Planning, regulation and control of different transportation modes.</li> </ul>	

■ **Major activities of the department where WFK - Advisor will be dispatched**

- To advice and support the Minister. Coordination, formulation, implementation and tracing of policies, plans, programmes, projects and other matters of the Transportation Sector.
- Verification, evaluation and adjustment of the transportation planning instruments.
- Coordinate with different National and International Government Institutions of the Transportation Sector.
- Lead and coordinate the National Transportation Plan, with all the Institutions of the Sector.
- Propose and create policies for the efficient development and functioning of the National Infrastructure and Transportation System.
- To do research, data collection and processing, of transportation demand and offer at a macro scale.

■ **Experience of working with WFK - Advisor**

☒ Yes      ☐ No

■ **If yes, please describe the tasks of WFK - Advisor**

- Create a code assignation methodology for public transportation routes.
- Create methodologies of code assignation for bus stops.
- Create a methodology of code assignation for some road segments of the National Road Network.
- To implement a training program of Intelligent Transportation Systems to professionals of the Sectoral Planning Secretariat.

**Description of Tasks \***

■ **The tasks to be undertaken by the WFK - Advisor will be:**

- **Summary :** *(Describe the overall objectives of the task, why this task is needed and what the expert will doing)*
- To guide and train the Sectoral Planning Secretariat staff in the development of their technical capacities in classic four-stage transport modelling. The methodology of training will be "learning-by-doing" while they are working with the Advisor.

■ **Main duty of WFK - Advisor** *(Please mark all that apply and type in detail)*

☐ **Policy making and Strategic planning**
☒ **Technical support**

- To provide technical advisories and experience exchange

☒ **Training of local staff**

- To develop, calibrate and run a model of private transport offer at the national level, using the software TransCAD.
- To develop, calibrate and run a model that would allow to do future projections of an existing origin destination matrix, with a 2016 base year, for private transport with TransCAD.
- To develop, calibrate and run a travel assignment model in TransCAD from the offer-demand model previously done.
- To review different scenarios for project evaluation.
- To train the designed staff of the Sectoral Planning Secretariat in all the previous points, in a way they will be "learning-by-doing" with the Advisor, who will guide and supervise the execution of the tasks.
- To train the staff in classic four-stage transport modelling.

☐ **Other**

### Expected Results/Output

**■ Expected results/output of the tasks by the WFK - Advisor include:**

- A fully functional model that can be used by the Sectoral Planning Secretariat.
- Well trained staff for executing independently all the tasks related with the offer-demand model of private transport at the national level.
- A written report with all the tasks and procedures developed.

### Required(Preferred) qualifications of WFK - Advisor

*(List the minimum essential qualifications required for the experts to successfully carry out this task)*

**■ Gender**

- ☐ **Male**
☐ **Female**
☒ **No preference**

**■ Educational Background**

- Master's Degree or superior in Transportation Engineering or Transportation Planning.



- Bachelor's Degree in Civil Engineering.  
(eg. Bachelors Degree in Agricultural Economics)
- \* **Similar or other educational background will be fine if the selected expert has an ability to do the requested tasks**
  - ☒ Yes      ☐ No
- **Required Work Experience**(Specify work experience required for the experts)
  - At least 10 years of experience in Transport Modeling.
  - At least 10 years working in Transportation Engineering or Transportation Planning.
- \* **Similar or related work experience will be fine if the selected expert has an ability to do the requested tasks**
  - ☒ Yes      ☐ No
- **Language: English.**  
(Official business language will be English. If your organization requires the use of other languages, please provide reasons)
- **Reasons :**
- **Other Requirements**(Identify desired skills or qualities for the task)
  - Excellent inter-personal, communication and teaching skills.
  - Knowledge and use of TransCAD software.
  - Knowledge of Spanish is desirable, but not a requisite.

### Description of the Workplace

<b>■ Location of the workplace</b>	<ul style="list-style-type: none"> <li>- <u>1</u> Km from the capital city</li> <li>- <u>0,2</u> hours by <u>car</u> (transportation)</li> </ul>
<b>■ Information on the co-worker who will work closely with the WFK-Advisor</b>	<ul style="list-style-type: none"> <li>- Full Name (Mr./Ms.) : Mrs. Lil María Moya Fernandez</li> <li>- Position/Work area : Civil Engineer</li> <li>- Tel/E-mail : (506)2523-2603</li> <li>- English Language Skill :</li> </ul>

