| Operation Number     | HA-L1098                   | Chief of Operations Validation Date    | 03/24/17 |
|----------------------|----------------------------|--|----------|
| Year- PMR Cycle      | Second period Jan-Dec 2016 | Division Chief Validation Date         | 04/18/17 |
| Last Update          | 03/24/17                   | Country Representative Validation Date | 04/27/17 |
| PMR Validation Stage | Draft                      |  |          |

## **Basic Data**

### **Operation Profile**

| Operation Name     | Support for Haiti's Transport Sector V                              | Loan Number                      | 3570/GR-HA                        |
|--------------------|---|----------------------------------|-----------------------------------|
| Executing Agency   | MINISTERE DE TRAVAUX PUBLICS, TRANSPORTS, ENERGIE ET COMMUNICATIONS | Sector/Subsector                 | TR-VPR - TRANSPORT-MAJOR HIGHWAYS |
| Team Leader        | GUERRERO,PABLO  | Overall Stage                    | Approved/Pending Eligibility      |
| Operation Type     | Loan Operation  | Country                          | HAITI                             |
| Lending Instrument | Investment Loan   | Convergence related Operation(s) |                                   |
| Borrower           | REPUBLIQUE D' HAITI   |                                  |                                   |

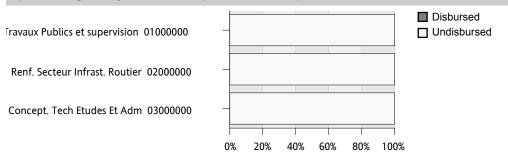
## **Environmental and Social Safeguards**

| Impacts Category                         | A | Was/Were the objective(s) of this operation reformulated? | NO |
|--|---|---|----|
| Safeguard Performance Rating             |   | Date of approval  |    |
| Safeguard Performance Rating - Rationale |   |   |    |

#### **Financial Data**

| Item       |              |             | Total Cost an     | id Source              | Available Funds (US\$) |             |                      |        |                    |
|------------|--------------|-------------|-------------------|------------------------|------------------------|-------------|----------------------|--------|--------------------|
| item       | Original IDB | Current IDB | Local Counterpart | Co-Financing / Country | Total Original Cost    | Current IDB | Disb. Amount to Date | % Disb | Undisbursed Amount |
| HA-L1098   | 65,000,000   | 65,000,000  | 0                 | 0                      | 65,000,000             | 65,000,000  | 0                    | 0.00%  | 65,000,000         |
| Aggregated | 65,000,000   | 65,000,000  | 0                 | 0                      | 65,000,000             | 65,000,000  | 0                    | 0.00%  | 65,000,000         |

## **Expense Categories by Loan Contract (cumulative values)**



Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains. Please also note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

## **RESULTS MATRIX**

## **IMPACTS**

No information available for this section

## **RESULTS MATRIX**

## **OUTCOMES**

Outcome Nbr. 0: 1 Increased quality of primary road network on the RN-1 Camp Coq and Vaudreuil segment

| Observ | ration:   |                    |              |                  |         |  |  |      |      |
|--------|---|--------------------|--------------|------------------|---------|--|--|------|------|
|        | Indicator   | Unit of<br>Measure | Baseline     | Baseline<br>Year |         | EOP 2020   |  |      |      |
| 0.0    | .0 1.1 Cost in road section Camp Coq - Vaudreuil US/km 0.05 2015 for_Moto | 2015               | Р            | 0.05             |         |  |  |      |      |
|        | tor_Moto  |                    |              | -                |         |  |  | P(a) | 0.05 |
|        |   |                    |              |                  | Α       |  |  |      |      |
|        |   |                    |              |                  | Detai   | ls   |  |      |      |
| Means  | of verification: Highway development and mar                              | nagement mode      | I (HDM-4). T | his outcome      | will be | measured in the final evaluation through the ex post cost- benefits analysis |  |      |      |
| Pro-Ge | ender No  |                    |              |                  | Pr      | o-Ethnicity No   |  |      |      |
|        | Indicator   | Unit of<br>Measure | Baseline     | Baseline<br>Year |         | EOP 2020   |  |      |      |
| 0.1    | 1.2 Cost in road section Camp Coq -                                       | US/km              | 0.2          | 2015             | Р       | 0.18   |  |      |      |
|        | Vaudreuil_Auto  |                    |              |                  | P(a)    | 0.18   |  |      |      |
|        |   |                    |              |                  | Α       |  |  |      |      |

#### **Details**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-Ethnicity **Pro-Gender** No No

|     | Indicator   | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |
|-----|---|--------------------|----------|------------------|------|----------|
| 0.2 | 1.3 Cost in road section Camp Coq -<br>Vaudreuil_Pickup | US/km              | 0.26     | 2015             | Р    | 0.23     |
|     |   |                    |          |                  | P(a) | 0.23     |
|     |   |                    |          |                  | Α    |          |

#### **Details**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

**Pro-Gender Pro-Ethnicity** No

|     | Indicator                           | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |  |
|-----|-------------------------------------|--------------------|----------|------------------|------|----------|--|
| 0.3 | 1.4 Cost in road section Camp Coq - | US/km              | 0.52     | 2015             | Р    | 0.41     |  |
|     | Vaudreuil_Bus                       |                    |          |                  | P(a) | 0.41     |  |
|     |                                     |                    |          |                  | Α    |          |  |
|     | Details                             |                    |          |                  |      |          |  |

## **RESULTS MATRIX**

## **OUTCOMES**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-Gender No Pro-Ethnicity No

|     | Indicator  | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |
|-----|--|--------------------|----------|------------------|------|----------|
| 0.4 | 1.5 Cost in road section Camp Coq -<br>Vaudreuil_Truck 2 axles | US/km              | 0.59     | 2015             | Р    | 0.45     |
|     | vaudreuii_Truck 2 axies  |                    |          |                  | P(a) | 0.45     |
|     |  |                    |          |                  | Α    |          |

#### **Details**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-Gender No Pro-Ethnicity No

|     | Indicator  | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |
|-----|--|--------------------|----------|------------------|------|----------|
| 0.5 | 5 1.6 Cost in road section Camp Coq -<br>Vaudreuil_Truck 3 axles | US/km              | 1.29     | 2015             | Р    | 0.98     |
|     |  |                    |          |                  | P(a) | 0.98     |
|     |  |                    |          |                  | Α    |          |

#### Details

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-Gender No Pro-Ethnicity No

|     | Indicator                           | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |
|-----|-------------------------------------|--------------------|----------|------------------|------|----------|
| 0.6 | 1.7 Cost in road section Camp Coq - | US/km              | 1.45     | 2015             | Р    | 1.09     |
|     | Vaudreuil_Articulated truck         |                    |          |                  | P(a) | 1.09     |
|     |                                     |                    |          |                  | Α    |          |

#### **Details**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-GenderNoPro-EthnicityNo

|     | Indicator   | Unit of<br>Measure | Baseline | Baseline<br>Year |                  | EOP 2020 |  |  |
|-----|---|--------------------|----------|------------------|------------------|----------|--|--|
| 0.7 | 1.8 Average travel times road section Camp Coq ¿ Vaudreuil_Moto | 34.0               | 2015     | P<br>P(a)        | 24.00<br>) 24.00 |          |  |  |
|     |   |                    |          |                  | Α                |          |  |  |

## **RESULTS MATRIX**

## **OUTCOMES**

|  | -5III.25   |               |              |             |         |  |  |  |  |  |
|--|--|---------------|--------------|-------------|---------|--|--|--|--|--|
|  | Details  |               |              |             |         |  |  |  |  |  |
| Means  | of verification: Highway development and mar   | nagement mode | l (HDM-4). T | his outcome | will be | measured in the final evaluation through the ex post cost- benefits analysis |  |  |  |  |
| Pro-Ge   | nder No  |               |              |             | Pr      | o-Ethnicity No   |  |  |  |  |
| Indicator Unit of Baseline Baseline Measure Year |  |               |              |             |         | EOP 2020   |  |  |  |  |
| 0.8  | 1.9 Average travel times road section Camp Coq   | min           | 38.0         | 2015        | Р       | 26.00  |  |  |  |  |
|  | ¿ Vaudreuil_Auto   |               |              |             | P(a)    | 26.00  |  |  |  |  |
|  |  |               |              |             | Α       |  |  |  |  |  |
|  |  |               |              |             | Detail  | s  |  |  |  |  |
| Means  | Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis |               |              |             |         |  |  |  |  |  |
| Pro-Gender No Pro-Ethnicity No                   |  |               |              |             |         | o-Ethnicity No   |  |  |  |  |

|     | Indicator   | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |
|-----|---|--------------------|----------|------------------|------|----------|
| 0.9 | 1.10 Average travel times road section Camp Coq<br>¿ Vaudreuil_Pickup | min                | 39.0     | 2015             | Р    | 26.00    |
|     | C. Gataloan_ Gitap  |                    |          |                  | P(a) | 26.00    |
|     |   |                    |          |                  | Α    |          |

#### **Details**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-Gender No Pro-Ethnicity No

|      | Indicator                                       |     | Baseline | Baseline<br>Year |      | EOP 2020 |
|------|---|-----|----------|------------------|------|----------|
| 0.10 | 1.11 Average travel times road section Camp Coq | min | 36.0     | 2015             | Р    | 26.00    |
|      | ¿ Vaudreuil _Bus                                |     |          |                  | P(a) | 26.00    |
|      |   |     |          |                  | Α    |          |
|      |   |     |          |                  |      |          |

#### **Details**

Means of verification: Highway development and management model (HDM-4). This outcome will be measured in the final evaluation through the ex post cost- benefits analysis

Pro-Gender No Pro-Ethnicity No

|      | Indicator                                       | Unit of<br>Measure | Baseline | Baseline<br>Year |      | EOP 2020 |
|------|---|--------------------|----------|------------------|------|----------|
| 0.11 | 1.12 Average travel times road section Camp Coq | min                | 46.0     | 2015             | Р    | 32.00    |
|      | ¿ Vaudreuil_Truck 2 axles                       |                    |          |                  | P(a) | 32.00    |

|        |   |                    |              | Opc              | rational r         | opo.t             |                              |                            |
|--------|---|--------------------|--------------|------------------|--------------------|-------------------|------------------------------|----------------------------|
| RES    | ULTS MATRIX   |                    |              |                  |                    |                   |                              |                            |
| OUTO   | OMES  |                    |              |                  |                    |                   |                              |                            |
| 0.11   | 1.12 Average travel times road section Camp Coq ¿ Vaudreuil_Truck 2 axles | min                | 46.0         | 2015             | A                  |                   |                              |                            |
|        |   |                    |              |                  | Details            |                   |                              |                            |
| Means  | of verification: Highway development and mar                              | nagement mode      | I (HDM-4). T | his outcome      | will be measured   | in the final eval | luation through the ex pos   | st cost- benefits analysis |
| Pro-Ge | nder No   |                    |              |                  | Pro-Ethnicit       | у                 | No                           |                            |
|        | Indicator   | Unit of<br>Measure | Baseline     | Baseline<br>Year |                    |                   |                              | EOP 2020                   |
| 0.12   | 1.13 Average travel times road section Camp Coq                           | min                | 54.0         | 2015             | Р                  |                   |                              | 36.00                      |
|        | ¿ Vaudreuil_Truck 3 axles   |                    |              |                  | P(a)               |                   |                              | 36.00                      |
|        |   |                    |              |                  | A                  |                   |                              |                            |
|        |   |                    |              |                  | Details            |                   |                              |                            |
| Means  | of verification: Highway development and mar                              | nagement mode      | I (HDM-4). T | his outcome      | will be measured   | in the final eval | luation through the ex po    | st cost- benefits analysis |
| Pro-Ge | nder No   |                    |              |                  | Pro-Ethnicit       | у                 | No                           |                            |
|        | Indicator   | Unit of<br>Measure | Baseline     | Baseline<br>Year |                    |                   |                              | EOP 2020                   |
| 0.13   | 1.14 Average travel times road section Camp Coq                           | min                | 46.0         | 2015             | Р                  |                   |                              | 32.00                      |
|        | ¿ Vaudreuil_ Articulated truck  |                    |              |                  | P(a)               |                   |                              | 32.00                      |
|        |   |                    |              |                  | A                  |                   |                              |                            |
|        |   |                    |              |                  | Details            |                   |                              |                            |
| Means  | of verification: Highway development and mar                              | nagement mode      | I (HDM-4). T | his outcome      | will be measured   | in the final eval | luation through the ex po    | st cost- benefits analysis |
| Pro-Ge | nder No   |                    |              |                  | Pro-Ethnicit       | у                 | No                           |                            |
|        | Indicator   | Unit of<br>Measure | Baseline     | Baseline<br>Year |                    |                   |                              | EOP 2020                   |
| 0.14   | 1.15 International Roughness Index for road                               | m/km               | 7.0          | 2014             | Р                  |                   |                              | 2.30                       |
|        | section Camp Coq ¿Vaudreuil (IRI)   |                    |              |                  | P(a)               |                   |                              | 2.30                       |
|        |   |                    |              |                  | A                  |                   |                              |                            |
|        |   |                    |              |                  | Details            |                   |                              |                            |
| Means  | of verification: Measure longitudinal road profi                          | le through speci   | alized equip | ment (rough      | , meter). This out | come will be ver  | rified through the field sup | pervision reports.         |
| Pro-Ge | nder No   |                    |              |                  | Pro-Ethnicit       | у                 | No                           |                            |

## **RESULTS MATRIX**

## **OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS**

#### Component Nbr. 1 1. Travaux publics et Supervision

|     |  |                 |      | PHYSICAL F | PROGRESS | FINANCIAL I | PROGRESS   |
|-----|--|-----------------|------|------------|----------|-------------|------------|
|     | Output   | Unit of Measure |      | 2016       | EOP 2020 | 2016        | EOP 2020   |
| 1.1 | 1.1 Nombres de km de routes réhabilitées                         | Roads (km)      | Р    | 0          | 29.5     | 13,435,000  | 56,299,000 |
|     |  |                 | P(a) | 0          | 29.5     | 13,435,000  | 56,299,000 |
|     |  |                 | Α    | 0          | 0        | 0           | 0          |
| 1.2 | 1.2 Nombres de km de routes primaires et secondaires entretenues | km              | Р    | 0          | 100      | 0           | 800,000    |
|     |  |                 | P(a) | 0          | 100      | 0           | 800,000    |
|     |  |                 | Α    | 0          | 0        |             | 0          |
| 1.3 | 1.3 Mitigation socio-environnementale et compensations           | rapport         | Р    | 0          | 6        | 171,000     | 800,000    |
|     |  |                 | P(a) | 0          | 6        | 171,000     | 800,000    |
|     |  |                 | Α    | 0          | 0        | 0           | 0          |

#### Component Nbr. 2 2. Renforcement du secteur de l'infrastructure routiere

|     |   |                 |      | PHYSICAL P | ROGRESS  | FINANCIAL P | ROGRESS   |
|-----|---|-----------------|------|------------|----------|-------------|-----------|
|     | Output  | Unit of Measure |      | 2016       | EOP 2020 | 2016        | EOP 2020  |
| 2.1 | 2.1 Equipements et fournitures acquis pour l'entretien                        | rapport         | Р    | 0          | 8        | 250,000     | 2,000,000 |
|     |   |                 | P(a) | 0          | 8        | 250,000     | 2,000,000 |
|     |   |                 | Α    | 0          | 0        | 250,000     | 0         |
| 2.2 | 2.2 Système de maintenance concue et fonctionnel                              | unité           | Р    | 0          | 1        | 0           | 301,000   |
|     |   |                 | P(a) | 0          | 1        | 0           | 301,000   |
|     |   |                 | Α    | 0          | 0        |             | 0         |
| 2.3 | 2.3 Personnels formés par l'Unité de maintenance                              | unité           | Р    | 0          | 40       | 17,000      | 101,000   |
|     |   |                 | P(a) | 0          | 40       | 17,000      | 101,000   |
|     |   |                 | Α    | 0          | 0        | 0           | 0         |
| 2.4 | 2.4 Personnels formés sur la stratégie routière sécuritaire                   | unité           | Р    | 0          | 40       | 50,000      | 100,000   |
|     |   |                 | P(a) | 0          | 40       | 50,000      | 100,000   |
|     |   |                 | Α    | 0          | 0        | 0           | 0         |
| 2.5 | 2.5 Nombre de femmes formées sur les taches liées a l'infrastructure routière | unité           | Р    | 0          | 50       | 50,000      | 100,000   |
|     |   |                 | P(a) | 0          | 50       | 50,000      | 100,000   |
|     |   |                 | Α    | 0          | 0        | 0           | 0         |

#### Component Nbr. 3 3. Conception technique et etudes socio-environnementales et administration

|     |  |                 |      | PHYSICAL P | ROGRESS  | FINANCIAL PROGRESS                                  |          |
|-----|--|-----------------|------|------------|----------|---|----------|
|     | Output   | Unit of Measure |      | 2016       | EOP 2020 | 2016  | EOP 2020 |
| 3.1 | 3.1 Conception technique et études developpées         | unité           | Р    | 1          | 3        | 200,000   | 400,000  |
|     |  |                 | P(a) | 1          | 3        | 200,000   | 400,000  |
|     |  |                 | Α    | 0          | 0        | 200,000 4<br>0<br>20,000<br>20,000<br>0<br>36,000 2 | 0        |
| 3.2 | 3.2 Plan d¿exécution pluri-annuel a jour               | rapport         | Р    | 0          | 4        | 20,000  | 93,000   |
|     |  |                 | P(a) | 0          | 4        | 20,000  | 93,000   |
|     |  |                 | Α    | 0          | 0        | 0   | 0        |
| 3.3 | 3.3 Rapports d¿évaluation du projet publiés par l'UCE  | rapport         | P    | 1          | 8        | 36,000  | 205,000  |
|     |  |                 | P(a) | 1          | 8        | 36,000  | 205,000  |
|     |  |                 | Α    | 0          | 0        | 0   | 0        |
| 3.4 | 3.4 Rapport d'Audit financier et socio-environnemental | rapport         | Р    | 0          | 4        | 0   | 200,000  |
|     |  |                 | P(a) | 0          | 4        | 0   | 200,000  |
|     |  |                 | Α    | 0          | 0        | 0   | 0        |

### **Other Cost**

| Administration UCE      | Р    |  | 53,000  | 401,000   |
|-------------------------|------|--|---------|-----------|
|                         | P(a) |  | 53,000  | 401,000   |
|                         | Α    |  | 0       | 0         |
| Civil works supervision | P    |  | 753,000 | 3,200,000 |
|                         | P(a) |  | 753,000 | 3,200,000 |
|                         | Α    |  | 0       | 0         |

## **Total Cost**

| Total Cost | Р    |  | 15,035,000 | 65,000,000 |
|------------|------|--|------------|------------|
|            | P(a) |  | 15,035,000 | 65,000,000 |
|            | Α    |  | 0          | 0          |

## **CHANGES TO THE MATRIX**

No information available for this section