**New Road**

**Basic Information:**

1. Ministry name: 2. Project Name:

3. Road location: □Urban □Rural □Both

4. Please select the Governorate, and write down District, Sub-district and the Village of the new project location:

Governorate: □Erbil □ Sulemani □ Dohuk □ Garmian □Rapareen □ Region

District (*please list all that apply*):

5. GPS Coordinates (*if known*):

Point A (Start) Latitude: Longitude: □ Not Known

Point B (Finish) Latitude: Longitude: □ Not Known

6. What type of road will this be?

□Main/Primary Road □ Secondary Road □Other: \_\_\_\_\_\_\_\_\_\_

Justification of Need:

7. What is the main reason this new road is needed?

□ Demand: there has never been a road in this location before but the local population is need

□ Demand: will reduce congestion on the nearest road

□ Safety: will help reduce the number of accidents

8. Current number of fatal and non-fatal accidents

9. Expected number of reductions in fatal and non-fatal accidents

□ Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. What is the distance (Km) from the nearest road that offers the same or similar transportation benefits?

11. What is the name of the nearest road?

12 What type of road is the nearest road?

□Village/Rural road □ City road □Connector road □ Other: \_\_\_\_\_\_\_\_\_\_

13. What type of main material is the nearest road made out of?

□Concrete □Asphalt □Double dressing □Gravel □Dirt

## Staffing, Capacity, Equipment:

14. How many lanes will this new road have?

15. What directions of traffic will this road support?

□One-way □Two-way

16. What main material will this new road be constructed with? (*Check all that apply.*)

□Concrete □Asphalt □Double dressing □Gravel □Dirt

17. Please check all of the features this new road will have:

□Tunnel □Bridge □Culvert □Sidewalk □Reservoir □Other: \_\_\_\_\_\_

18. How many employees will this new road employ (for example for parking meter monitoring, construction for maintenance of the road, manning security check points)?

19. Please describe the expected future activities related to the maintenance and operation of the road:

### Current and Expected Transportation Commute Conditions:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Village or City** | **A:** | **B:** | **C:** | **D:** | **E:** | **F:** |
| **A:** |  | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: |
| **B:** |  | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: |
| **C:** | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: |
| **D:** | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: |
| **E:** | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: |
| **F:** | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: | Distance:  Current Time:  Current Vehicles:  Expected time:  Expected Vehicles: |

20.\* Using the table, please list the villages, cities or other locations that will be accessing the newly built road (*if applicable)*. For each location please indicate the **Distance** (Kilometers) from Village/City A to Village/City B etc., **Current Time** (minutes), the **Expected New Time** to get from Village A to Village B after the road is built, **Approximate Current Number of Vehicles** that regularly move between Village/City A and Village/City B (in an average day), and the **Expected Number of Vehicles** after road is built (in an average day).

### Land

21. New Road Dimensions:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Road Length (Kilometers) |  | Sidewalk length (Kilometers) |  | Reservoir Length (Kilometers) |  |
| Road width side 1 (Meters) |  | Sidewalk width side 1 (Meters) |  | Reservoir Width  (Meters) |  |
| Road width side 2 (Meters) |  | Sidewalk width side 2 (Meters) |  |  | |

22. Is land available for constructing the new road? □Yes □ No

23. Have all the necessary permits for use of land been acquired? □Yes □ No

24. Please explain any pending procedures to obtain land access and land permits:

25. Total land for the new road in hectares to be purchased:

## Costs

26. Please attach the Bill of Quantities (BoQ) to this form.

To calculate project costs, the BoQ should include a detailed list of materials, equipment, and labor needed for the new road construction. For each category, this list should include for each item: unit, quantity, cost per unit, and total cost. *Eg. square meters of land, 400 m², 3000 IQD, 1,200,000 IQD.*

From the BoQ, summarize the costs in the following categories:

27. Total estimated project cost:

28. Total cost of maintenance (*typical yearly amount expected after the contractors have completed their work*):