|  |
| --- |
| **Data & Information sheet for Pavement Structural Design** |
| **1.** Pavement Design for ( **PMP Major Work/ Field Office ADP work/ADP Under Separate Project Office/Others**) : |
| **2.** Program/work approval status (**For PMP Proposals/ Approved PMP/ For DPP Preparation /Othe**r) : |
| **3.** Name of the Project / Work: |
| **4**. Project/Work consists of **Single / Multiple Road** (If multiple roads please use separate sheet for each road ): |
| **5.** Name and Number of the road: |
| **6.** Please provide explanation if the road has no Number or does not belong to RHD or any proposal for changing of road category: |
| **7.** Please Put **INITIAL in** the required type / component of pavement mentioned in DPP/Work Program:  □ New Construction □ Re-Construction □ Strengthening □ Widening □Surfacing □ Rigid Pavement □ Other |
| **8.** Please mention (**Required/ Not Required** ) for requirement of Geometric Design (New Alignment, Curve Straightening, Bazer widening, Bus Bay, Intersection etc) : |
| (\*If not required please provide technical explanation, otherwise it may be indicated that the road's geometry is correct and not required for further improvement. |
| \* if required, Please prepare Geometric Design before structural design in collaboration with Road Safety Division |
| \* in case of new alignment , topography survey and alignment fixation to be done before pavement structural design. |
| \* in case of new alignment sub-soil investigation may be done in consultation with Soil Investigation Division, BRRL for  identifying the necessity of soil improvement.) |
| **9.** Please mention **(Required/ Not Required)** any design issue related to road Safety: |
| (if required, please take suggestion/opinion from Road Safety Division) |
| **10.** Existing Road Information: ***Please fill in separate sheet.*** |
| **11.** Existing pavement layer information:  ***Please fill in separate sheet.*** |
| **12.** Proposed Location, Length, Width of the Road:  ***Please fill in separate sheet.*** |
| **13**. Traffic Data : ***Please fill in separate sheet*** |
| a) Traffic data of RMMS data base will be used for design. |
| b) Please Mention Link Number/s of RMMS data base. |
| c) Diverted and Generated Traffic is to be determined and proposed by field office, |
| b) Local division's Traffic count may used in case of Traffic Data missing in RMMS data base. |
| **14.** Construction/repair history: |
| a. Completion Year of Last Project if any with Bar chat indicating location, length and pavement layer thickness etc. |
| b. Completion Year of Last PMP (Major) Road work if any with Bar chat indicating location, length and pavement layer thickness etc. |
| **15.** Proposed Probable Completion Year: |
| **16.** Decision(s)/ Meeting Minutes of the Higher Authority: |
|  |
| \* *All data and information must be signed / countersigned by concerned Field Officials.* |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data & Information sheet for Pavement Structural Design** | | | | | | | | | | | | | | |
| ( Pls . Provide Road Number and Road Name here) | | | | | | | | | | | | | | |
| **10. Existing Road Information:** | | | | | | | | | | | | | | |
| (Measurement in meter) | | | | | | | | | | | | | | |
| Sl No. | Chainage of Data collecting point | Representing Chainage | | Representing Length | Pavement Type | Edge of pvt. to end of RoW (L+R) | Width of Verge (L+R) | Width of Drain (L+R) | Width of Hard Shoulder (L+R) | Width of Carriage Way (L+R or Center) | Width of Median | Any Other | Formation Level Height \* | Width of Total RoW |
| From | To |
| *1* | *2* | *3* | *4* | *5* | *6* | *7* | *8* | *9* | *10* | *11* | *12* | *13* | *14* | *15* |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | | |  | |  | | |  |  | | | |  |
|  |  | | |  | |  | | |  |  | | | |  |
| *\* All data and information must be signed / countersigned by concerned Field Officials.* | | | | | | | | | | | | | | |
| *\* Formation level is the Difference of Height Between Bottom of Sub-Base to HFL.* | | | | | | | | | | | | | | |
| *\*Please attached longitudinal profile of at least 100 m interval if formation level height of any section of road is below 1.0 m* | | | | | | | | | | | | | | |
| *\* L= Left; R= Right; RoW= Right of Way; HFL= Highest Flood Level; ISG= Improved Sub Grade* | | | | | | | | | | | | | | |
| *\*Use additional page(s) for more data* | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | **Data & Information sheet for Pavement Structural Design** | | | | | | | | | | | | | | | | | | |
|  | | | ( Pls . Provide Road Number and Road Name here) | | | | | | | | | | | | | | | | | | |
|  | | | **11. Existing pavement layer information:** | | | | | | | | | | | | | | | | | | |
| Sl No. | | Chainage of Data Collection Point | | Representing Chainage | | Representing Length (km) | Sub grade CBR (4 days Soaked) | | | Existing Pavement Layer Thickness (mm) | | | | | | | | | | Comments on Physical Condition | Comments on Special requirement |
| From | To | In situ ( Undisturbed) of Under pavement | | Lab ( Disturbed) of Under pavement | ISG | HBB/ soling | Sub Base | WBM | Agg. Base Type II | Agg. Base Type I | Asphalt Layer | CC | RCC | Others |
| *1* | | *2* | | *3* | *4* | *5* |  | | *6* | *7* | *8* | *9* | *10* | *11* | *12* | *13* | *14* | *15* | *16* | *17* | *18* |
| 1 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | |  | | | |  | |  | |  | | | |  | |  | | | | |  |
|  | |  | | | |  | |  | |  | | | |  | |  | | | | |  |
|  | *\*Use additional page(s) for more data* | | | | | | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Data & Information sheet for Pavement Structural Design** | | | | | | | | | | | | | | | |
|  | ( Pls . Provide Road Number and Road Name here) | | | | | | | | | | | | | | | |
| **12. Proposed Location, Length, Width of the Road:** | | | | | | | | | | | | | | | | |
|  | |  | | --- | |  | | | | | | | | | | | | | | | | |
| Segment No. | Design Chainage | | | Length | Pavement type | Number of Lane | Width of Carriage way (L+R/C) | | Median | Inner Hard Shoulder ( beside divider) (L+R) | Edge Hard Shoulder (L+R) | Soft Shoulder/Verge (L+R) | Drain (L+R) | Other (L+R) | Total Width of Crest | Comment on LA Requirement |
| From | | To |
| *1* | *2* | | *3* | *4* | *5* | *6* | *7* | | *8* | *9* | *10* | *11* | *12* | *13* | *14* | *15* |
| 1 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 2 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 3 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 4 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 5 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 6 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 7 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 8 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 9 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 10 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 11 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 12 |  | |  |  |  |  |  | |  |  |  |  |  |  |  |  |
|  |  | | | |  | |  |  | | | |  |  | | |  |
|  |  | | | |  | |  |  | | | |  |  | | |  |
|  | | *\*Use additional page(s) for more data* | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data & Information sheet for Pavement Structural Design** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ( Pls . Provide Road Number and Road Name here) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **13. Traffic Data Source from Local Division's Survey** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **i) Base Traffic** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **i.a) For Road where Traffic Data is missing in RMMS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Chainage of Data collecting Point :** | | | | | | | | |  | | | | | | | | | | | | **Location Name :** | | | | |  | | | | | | |
| **Sl. No.** | Survey Date | | | Heavy Truck | | Medi. Truck | | | Small Truck | | Large Bus | | Medi. Bus | | Micro Bus | | Utility Jeep | | Car | | Auto Rickshaw | | Motor Cycle | | Bi-Cycle | | | Cycle Rickshaw | | Cart | | Total AADT |
| **1** |  | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **2** | ***Use only when Traffic Data is missing in RMMS Data Base*** | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **3** |  | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **4** |  | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **5** |  | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **6** |  | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **7** |  | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
|  | Average | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
| **i.b) Traffic of Proposed Road (Base Traffic)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | : | Heavy Truck | | | | Medi. Truck | | Small Truck | | | Large Bus | | Medi. Bus | | Micro Bus | | Utility Jeep | | Car | | Auto Rickshaw | | Motor Cycle | | Bi-Cycle | | | Cycle Rickshaw | | Cart | | Total AADT |
| RMMS Link No. | |  | | | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ii) Diverted Traffic ( if any)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diverted Traffic Source Link No.- | | | ***Use this table or add more only when it is justified.*** | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| Probable % of traffic to be Diverted | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| **Diverted Traffic -1** | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diverted Traffic Source Link No.- | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| Probable % of traffic to be Diverted | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| **Diverted Traffic -1** | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **iii) Generated Traffic (if any)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generated Traffic Source Link No.- | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| Probable % of traffic to be Generated | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| **Generated Traffic** | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| **iv) Total Traffic** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Base Traffic ia or ib | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| Diverted Traffic-1 | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| Diverted Traffic-2 | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| Generated Traffic | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
| **Total Traffic** | | |  | |  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | |
|  |  | | | | | |  | | |  | | | | | | | |  | | | |  | | | | | | | | |  | |
|  |  | | | | | |  | | |  | | | | | | | |  | | | |  | | | | | | | | |  | |
| *\*Use additional page(s) for more data* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |