|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CHECK LIST FOR LCCA REPORTS** | | | |  | | |
| **Existing Pavement:** | | | |
|  | **Project Type/Category:** | |
| **S. No.** | **Items**  **to Review** | **Items Need to be Checked** | | √ **/ X** | | **Remarks** |
| 1,2,  3 | **General** | Check Cross section, layout plan, Location / Climate  Region, Procedures & Assumptions for inputs | |  | |  |
| 4 | Calculate Lane miles | |  | |  |
| 5 | Check Report format (segments of projects-mainline, local  roads, travel way, shoulders, ramps etc) | |  | |  |
| 6 | Check Different Alternatives, reasonable or NOT as per location of the project | |  | |  |
| 7 | Existing Level of Service (LOS) | |  | |  |
| 8 | **LCCA Form** | Check LCCA form is filled as per PDP Manual, Appendix OO guidelines or NOT (check reasons recorded for preferred and rejected alternatives) | |  | |  |
| 9 | **Material**  **Report** | Check Material Report, Approved/reviewed or NOT | |  | |  |
| 10 | Check R-Value and TI Bases | |  | |  |
| 11 | Check structural section for all alternatives | |  | |  |
| 12 | **Traffic Data** | Check source of Traffic data (TI, AADT)/Traffic Forecasting  Unit memo? | |  | |  |
| 13 | AADT: current, construction, 20 & 40 year | |  | |  |
| 14 | Annual growth rate | |  | |  |
| 15 | Check Added Time and vehicle Stopping Cost | |  | |  |
| 16 | Truck %age (SUT & Combination Truck %age) | |  | |  |
| 17 | **Initial Cost** | Check Estimate Quantities and units (calculate total quantity  if selected one alternative) | |  | |  |
| 18 | Check Initial Cost Estimate (specially JPCP or any other competing alternative **unit cost** & quantities etc): write: - | Total Cost: |  | |  |
| 19 | Considered for  LCCA: |  | |  |
| 20 | **Future Cost** | Check Maintenance / Rehabilitation Cost multiplier: - | |  | |  |
| 21 | Calculate Lane-miles | |  | |  |
| 22 | Check Maintenance, MSL, & Rehabilitation frequencies | |  | |  |
| 23 | User Cost | |  | |  |
| 24 | **RealCost 2.5.4 CA** | Work Zone Duration Days: Initial Construction (0 days), Rehabilitations (?) | |  | |  |
| 25 | Period of lane closure (lane closure chart from TMP ?) | |  | |  |
| 26 | Check warnings & errors | |  | |  |
| 27 | Compare results | |  | |  |

**EA#:**

**Dated:**

**X =** LCCA/or HDM guidelines not followed or incorrect information

√ **=** LCCA/or HDM guidelines followed and information provided correct