

OFFICE OF THE ENGINEER-IN-CHIEF (R&B), STATE ROADS & CRN,
TELANAGANA :: HYDERABAD – 500 082. ✓

Circular Memo No 15/7/TEE(R)/DEE7/AEE5/2014,

Dated: 25 .07.2015

Sub: (R&B) Department – Roadway excavation and formation of embankment of widening of carriageways from single lane to double lane with or without paved shoulders – Instructions issued– Regarding.

&&&

It was observed during inspection by the under signed, that the earth work excavation for widening is not being done as per the Specifications.

The excavation of the existing road shoulders shall invariably be removed to its full width and up to top of the sub-grade as specified in Clause 301.3.7 of MoRTH standard specifications. However, in almost all the cases, as the soil test reports indicates, the sub-grade soil is either deficient in the material requirements indicated in standard specifications/Pavement design or deficient in the density achieved i.e. percentage of compaction. Accordingly, in almost many of the cases excavation has been proposed up to the bottom of sub-grade level for the widening works.

Thus, the roadway excavation/(excavation of shoulders) has to upto the bottom of subgrade (wherever is provided in the estimate) and up to the toe of the embankment i.e. up to full width. The material thus obtained have to be kept away from the designated embankment formation and shall be reused either in the formation of embankment or subgrade as provided in the estimates after testing for its material properties.

A RFI has to be raised after excavation up to the bottom of sub-grade (wherever provided in the estimate) along with visual recording by the contractor. This shall be super checked by concerned Superintending Engineer.

P. T. B

All Superintending Engineers / Executive Engineers shall make special attention to the above instructions and ensure that excavation of roadway/shoulders is done to the full width and up to the designated levels as envisaged in the estimates / Drawings and keeping the FRL and designed crust & thickness of sub-grade.

All Superintending Engineer and Executive Engineers shall keep in view that the roadway embankment, sub-grade & shoulders which are also essential components of highway structure have to be constructed as per specifications. Infact, sub-grade is the formation for pavement structure and entire pavement design is based on its material properties and its process control.

Therefore, all the Superintending Engineer's / Executive Engineer's dealing with state Roads & CRN shall follow the instructions scrupulously and ensure proper excavation and subsequent construction of embankment below sub-grade, sub-grade & shoulders construction along with construction of pavement crust layers.


For Engineer-in Chief (R&B)
State Roads & CRN

To
The Superintending Engineer (R&B), Adilabad Circle
The Superintending Engineer (R&B), Karimnagar Circle
The Superintending Engineer (R&B), Nizamabad Circle
The Superintending Engineer (R&B), Mahabubnagar Circle
The Superintending Engineer (R&B), Nalgonda Circle
The Superintending Engineer (R&B), Warangal Circle
The Superintending Engineer (R&B), Khammam Circle
The Superintending Engineer (R&B), Rural Circle Hyderabad
The Superintending Engineer (R&B), Medak Circle
All DEE's of Roads wing & CRN