

	<p align="center">CHIEF PROJECT MANAGER (FLYOVER) 1 PUBLIC WORKS DEPARTMENT GOVT. OF DELHI MUKARBA CHOWK, G. T. KARNAL ROAD, DELHI - 110033</p> <hr/> <p align="center">Ph: 011-27691871, Fax No.: 011-27691971 E-Mail: cpmpwddelhifl@gmail.com</p>	
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F. No. 23(29-I)/CPM/F 1/PWD/2016/

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Date: - 4-4-16

Inspection Note

Sub: - Inspection Note for the work of "Comprehensive Development of Corridor (Outer Ring Road) between Vikaspuri to Meera Bagh."

Inspected the site of Vikaspuri to Meerabagh Project on 02.04.2016 along with the Superintending Engineer, F-12 and Project Manager of M/s. Simplex.

First, went on elevated corridor from A-2 ramp and reviewed the erection work of portal and steel girders over Najafgarh Drain. Last portal beam has been erected but erection of longitudinal beam of two spans is still to be started. During the last inspection, it was committed that entire erection work will be completed by 10th April' 2016 but now again this seems to be extended further.

The agency has delayed the erection work inordinately and various target dates, committed by agency have slipped one after other.

The reinforcement of deck of one span of 37.5 mtr. was in progress. The SE, F-12 was directed to ensure proper checking of reinforcement before allowing casting.

Proper torqueing and fixing of stiffeners in steel girder should be ensured.

The rectification of road wearing course on R.H.S. between Najafgarh drain and A-2 ramp has not been started till date though it has been pointed out long back and also during the last inspection by the undersigned.

The fixing of expansion joints on R.H.S. was in progress at one location. It was directed to ensure proper levelling using aluminium roads at different places to attain the perfect level so as to have jerk free movement over the expansion joints.

The issue of construction of kerb channel along the central verge and in the line of rain water spout was again discussed in detail. During the last inspection, it was directed to prepare one sample of the same but that has not been prepared till date. The SE, F-12 was again directed to ensure that one sample is prepared along the central verge which will help in swifter drainage of water through central verge and may avoid accumulation of water during rains.

The sealing of joints of BC layer with central verge and crash barrier has not been sealed despite repeated directions by this office. This may lead to ingress of water through minor gap and may damage the road surface. The SE, F-12 was directed to ensure the filling of the same on priority and should be done under close monitoring.

Then, went towards the A-1 ramp side where sealing of drain covers on R.H.S. adjacent to A-1 ramp was in progress. It is regretted to point out that despite my clear-cut directions on number of occasions verbally as well as in writing, the joints were not being sealed properly especially, vertical joints between drain covers and horizontal joints between bottom of drain covers and top of drain wall. It was noticed that the agency was fixing the geo-fabric without sealing these joints. It was directed to immediately stop such mindless work and the SE, F-12 was directed to ensure that geo-fabric is fixed

only after proper sealing of joints with mortar as already directed. It was reiterated that joints have to be filled from top, vertical sides as well as horizontal joints between top of drain walls and drain covers. Before allowing fixing of geo-fabric, PWD officials should check the proper sealing of joints stretch by stretch. This is very much important to avoid any settling of paver tiles at a later date due to seepage of bedding sand into the drain.

Then, went over the elevated corridor through A-1 ramp where APP membrane was being fixed on R.H.S. and BC layer is being laid on L.H.S. It was again directed that during any bituminous work, one representative of PWD/TPQA should be at Hot-mix plant and other at site and proper compaction should be ensured. While laying the bituminous layer, aluminium roads should be used to check its level across expansion joints as well as level at different locations especially along the width of the road at the junction of two passes of bituminous work.

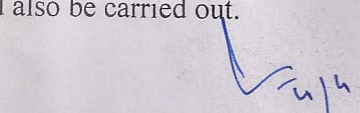
The efforts on grinding and surface preparation of crash barrier and central verge needs to be enhanced as it is a very time consuming activity. At number of locations, proper rectification is required to be done to achieve the desired line and level. The SE, F-12 was directed to ensure that this is also monitored span by span and one span should be completed in all respects. Proper surface preparation of crash barrier/central verge should also be started in full swing so as to ensure no pin-holes as well as desired line and level.

Then, in the site office, reviewed the various other activities. The colour scheme was also discussed and two colours and pattern of application was finalised. The agency was directed to prepare the sample of the same on priority.

The status of underdeck finishing was also enquired and it was directed to proceed span by span. Even one span of underdeck finishing has not been prepared till date despite repeated directions by the undersigned. There is no point of proceeding in an unorganized manner which will not give any desired result.

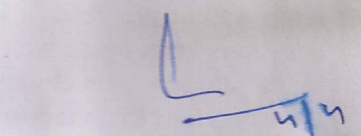
The items of drain work, footpath should also be expedited.

It was also directed to ensure proper safety measures at site which should include proper wearing of helmets, safety belts, safety jackets, barricading of construction area etc. The SE, F-12 was also directed to ensure immediate removal of malba from the site to ensure dust free environment in the entire project stretch. For this purpose, regular sprinkling of water should also be carried out.


Chief Project Manager
(Flyover) 1, PWD

Copy to:-

- (1) The E-in-Chief (Projects), (Flyover) 1, PWD, 12th Floor, MSO Building, I.P. Estate, New Delhi for kind information please.
- (2) The Pr. Chief Engineer (Projects), PWD, 9th Floor, MSO Building, I.P. Estate, New Delhi for kind information please.
- (3) The OSD (PWD) to Minister, O/o of the Minister, Power, PWD, Health, Industries & Home, GNCTD, A-Wing, 7th Level, Delhi Secretariat, I.P. Extension, New Delhi-110002 for kind information please.
- (4) The Superintending Engineer, F-12, PWD for information & necessary action please.


Chief Project Manager