

### ZONE 3 THE HIGHWAY

The typical section through the highway is comprised of the main carriageway, flanked by the cycletrack on either side. As the highway runs through the river bed it is elevated on an embankment of about 7.5 mts. ht.

The main issues the landscape seeks to address here are

- Providing shelter to the bicycletrack in terms of shade and wind protection.
- Planting to soften the harshness of the pitched embankment.
- Opening pleasing vistas along both sides of the length of the highway.
- Providing visual interest in terms of plant material.
- Providing a safe barrier between the vehicular & cycle movement.
- Medium height trees are proposed along the outer verge of the bicycletrack. Stretches of evergreen trees like *Alstonia Scholaris* are to be alternated with flowering trees like *Delonix regia*, *Bauhinia variegata* and *Chorisia speciosa*, thus providing both summer shade & visual interest in the form of flowers in winter, summer and spring. Tall and medium shrubs such as *Hamelia patens*, *Tabernaemontana*, *Tecoma stans*, *Caesalpinia pulcherrima* are proposed on the green verge along with the trees to provide protection from wind. Physical separation of the bicycletrack from the vehicular lanes is achieved with shrubs along the separating verge, or by low shrubs and railings, where the view is to be opened out.

*Bougainvillea* planting along the edge of the embankment is proposed in order to soften the harsh line of the same.

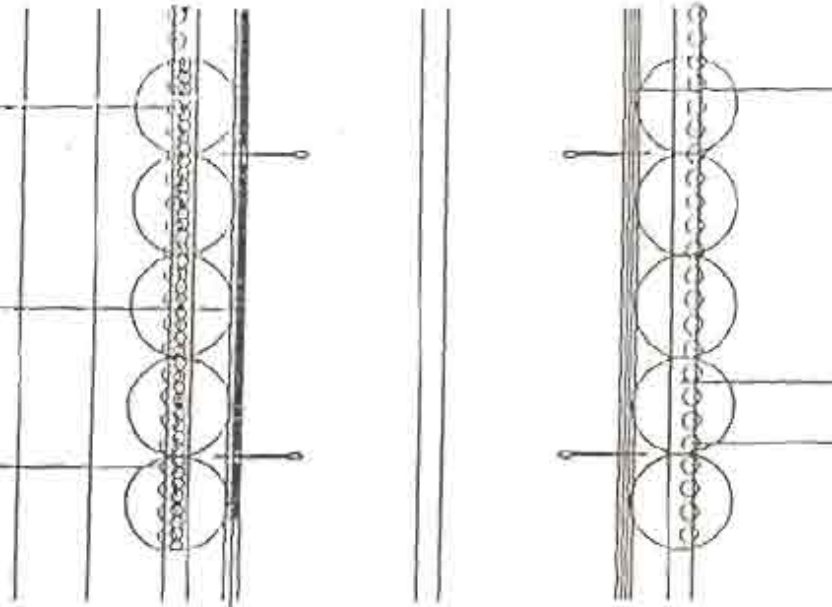
Views along both sides of the highway are opened in stretches of about 150 mts. length at strategic locations to capture vistas of the urbanscape and open country side. This is achieved by replacing the shrubs with low planting and railings at strategic locations.



STRETCHES OF TREES AT 8.5 MTS.  
C/C ALSTONIA SCHOLARIS TO BE  
ALIERNATED WITH FLOWERING  
TREES LIKE BAUHINIA VARIEGATA,  
DELONIX REGIA, CASSIA FISTULA AND  
CHORISIA SPECIOSA

MEDIUM HIT. SHRUBS 1.0 MT. C/C  
- NEERIUM OLEANDER  
- HAMELIA PATENS  
- LANTANA DEPRESSA

BOUGAINVILLEAE AT 2.0 MTS. C/C  
TO BE TRAINED OVER EMBANKMENT



LOW GROUND COVER TYPE  
LANTANA SELLOWIANA, ... DIPLAZIA  
TRILOBATA, LANTANA DEPRESSA  
ETC.

STRETCHES OF LOW PLANTING  
OF MINIMUM LENGTH 150 MTS.  
TO OPEN VIEWS ON EITHER SIDE  
OF HIGH WAY

GRASSED VERGE

BOUGAINVILLEAE AT 2.0 MTS.  
C/C.

TYPICAL EXPRESSWAY PLAN AT ALTERNATE 150m  
FROM CHAINAGE 3150.00 TO 3300.00



DATUM + 202.00

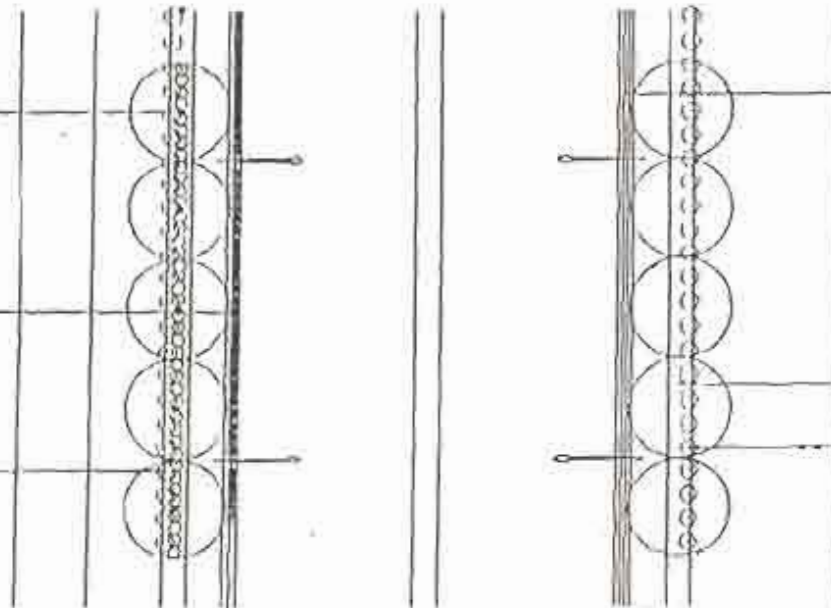
TYPICAL EXPRESSWAY SECTION AT ALTERNATE 150 m  
FROM CHAINAGE 3150.00 TO 3300.00

ZONE 3

STRETCHES OF TREES AT 8.5 MTS.  
C/C ALSTONIA SCHOLARIS TO BE  
ALTERNATED WITH FLOWERING  
TREES LIKE BAUHINIA VARIEGATA,  
DELONIX REGIA, CASSIA FISTULA AND  
CHORISIA SPECIOSA

MEDIUM HT. SHRUBS 1.0 MT. C/C  
- NEERIUM OLEANDER  
- HAMELIA PATENS  
- LANTANA DEPRESSA

BOUGAINVILLEAE AT 2.0 MTS C/C  
TO BE TRAINED OVER EMBANKMENT



LOW GROUND COVER LIKE  
LANTANA SELLOWIANA, WEDDELLIA  
TRILOBATA, LANTANA DEPRESSA  
ETC.

STRETCHES OF LOW PLANTING  
OF MINIMUM LENGTH 150 MTS.  
TO OPEN VIEWS ON EITHER SIDE  
OF HIGH WAY.

GRASSED VERGE

BOUGAINVILLEAE AT 2.0 MTS  
C/C

TYPICAL EXPRESSWAY PLAN AT ALTERNATE 150m  
FROM CHAINAGE 3150.00 TO 3300.00



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TYPICAL EXPRESSWAY SECTION AT ALTERNATE 150 m  
FROM CHAINAGE 3150.00 TO 3300.00

ZONE

#### ZONE 4 DELHI INTER SECTION

The landscape seeks to address the following issues in the Delhi intersection.

- Providing a pleasing visual experience at the trumpet intersection.
- Providing shade & wind buffer along cycletrack.
- Soil erosion control on embankments above the flood plain level.
- Screening and enhancing views with green belts within the right of way of the road.
- The island within the trumpet intersection is treated on similar lines as the Noida cloverleaf junctions. The junctions at either end would help to give the project a strong sense of identity and unity. The stepped terraces will give a pleasing visual experience from both the trumpet intersection and from the highway.
- The cycletrack on the trumpet intersection is at places about 5 m. below the vehicular carriageway. The embankment separating the two is above the high flood level and is thus not pitched with stone. Planting in the form of creepers like bougainvillea and grassing is designed on this embankment to protect it from erosion and to enhance the visual quality of the embankment.
- Trees are proposed at the side of the cycletrack along with large and medium shrubs to give it protection from sun and wind. The species of trees selected are *Alstonia scholaris*, *Delonix regia*, *Bauhinia variegata* and *Chorisia speciosa*. Shrubs such as *Hamelia patens*, *Tabernaemontana*, *Tecomastans* and *Caesalpinia pulcherrima* are proposed on the green verge to provide protection for wind.
- Dense green belts are planned within the right of way in the large triangular area along the ring road and the trumpet intersection. These green belts will provide visual relief & screening from the ring road and the trumpet intersection. The species used in this belt are the same as those used in the Noida Side, namely
  - *Pterospermum acerifolium*
  - *Bombax malbaricum*

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- *Cassia siamiae*
- *Anthocephalus kadamba*
- *Azadirachta indica*

along with fast growing, fine leaved, ever green species such as

- *Casuarina equisetifolia*
- *Grevillea robusta*
- *Acacia auriculiformis*.

and flowering trees such as

- *Delonix regia*
- *Cassia fistula*
- *Bauhinia variegata*
- *Jacaranda mimosaeifolia*

P H J.