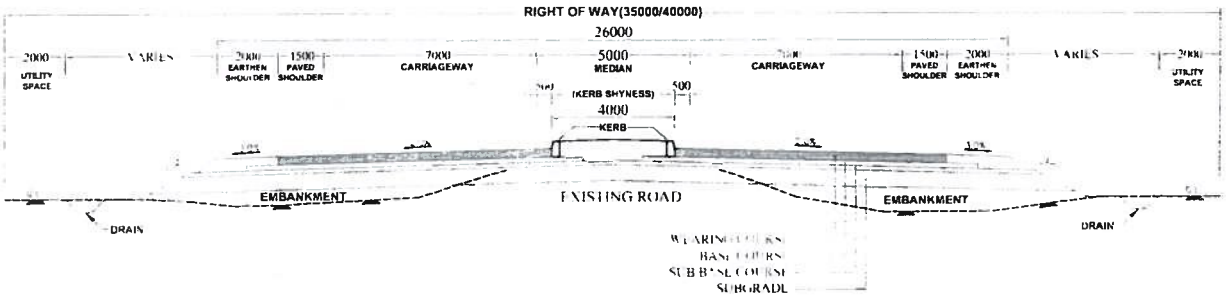


TYPICAL CROSS SECTION : TYPE - IA

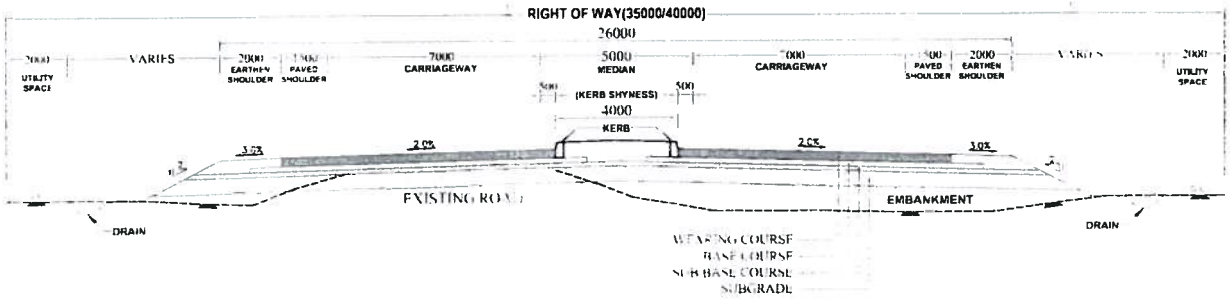
Concentric Widening of Existing 2 Lane Road to 4 Lane with Paved Shoulder &

5.0m. Median in Open / Rural Stretches

15/11/16

Jasbinder Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE - All Dimensions in mm

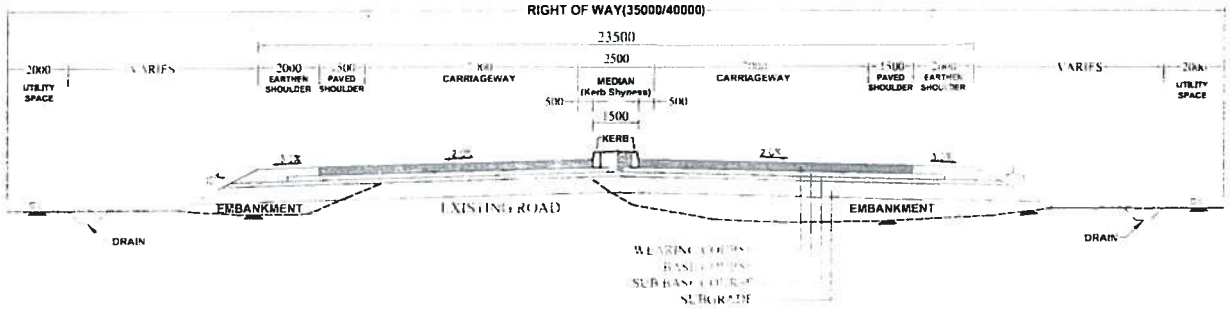


TYPICAL CROSS SECTION : TYPE - IB

RHS Eccentric Widening of Existing 2 Lane Road to 4 Lane with Paved Shoulder & 5.0m. Median in Open / Rural Stretches

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE - All Dimensions in mm



TYPICAL CROSS SECTION : TYPE - IC

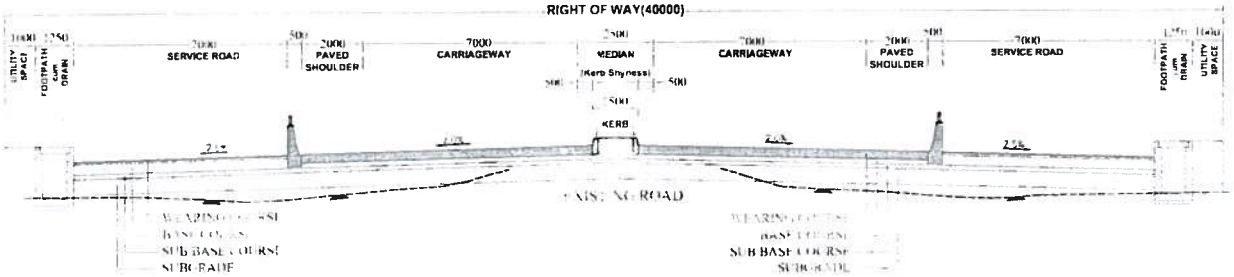
RHS Eccentric Widening of Existing 2 Lane Road to 4 Lane with Paved Shoulder

& 2.5m Median in Open / Rural Stretches

15/10/16

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE - All Dimensions in mm



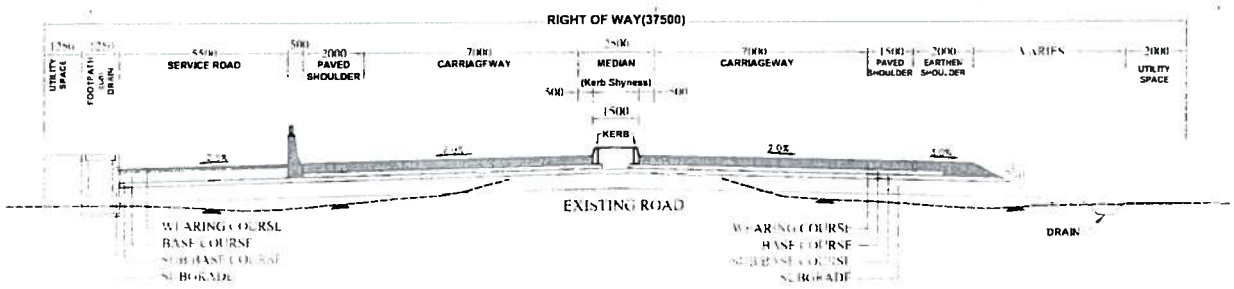
TYPICAL CROSS SECTION : TYPE - IIA

Concentric Widening of Existing 2 Lane Road to 4 Lane with 7.0m. Service Road

& RCC Drain on Both Side in Built-up Stretches Along Existing Road

NOTE : All Dimensions in mm

Jasbindar Singh
General Manager cum Project Director
National Highways Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



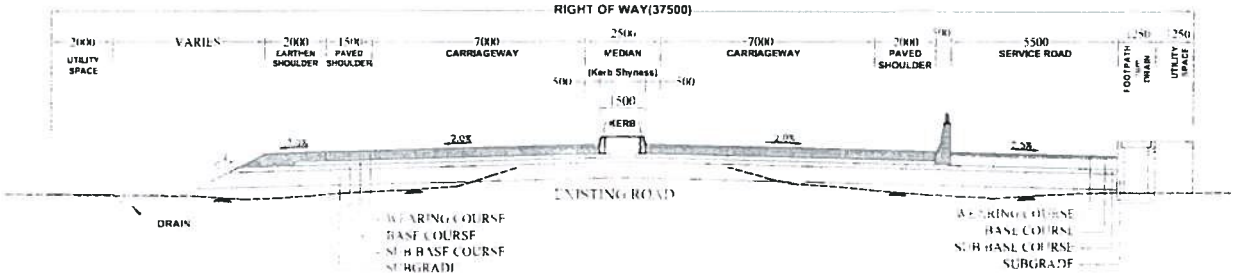
TYPICAL CROSS SECTION : TYPE - IIB

Concentric Widening of Existing 2 Lane Road to 4 Lane with 5.50m Service Road & RCC Drain on LHS in Built-up Stretches Along Existing Road

15/1/26

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE - All Dimensions in mm



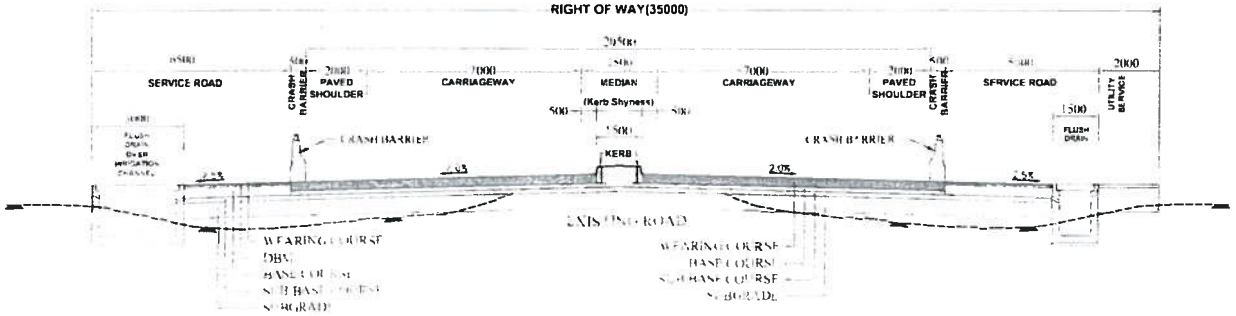
TYPICAL CROSS SECTION : TYPE - IIC

Concentric Widening of Existing 2 Lane Road to 4 Lane with 5.50m. Service Road on RHS with RCC Drain in Built-up Stretches Along Existing Road

15/11/16

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE :- All Dimensions in mm



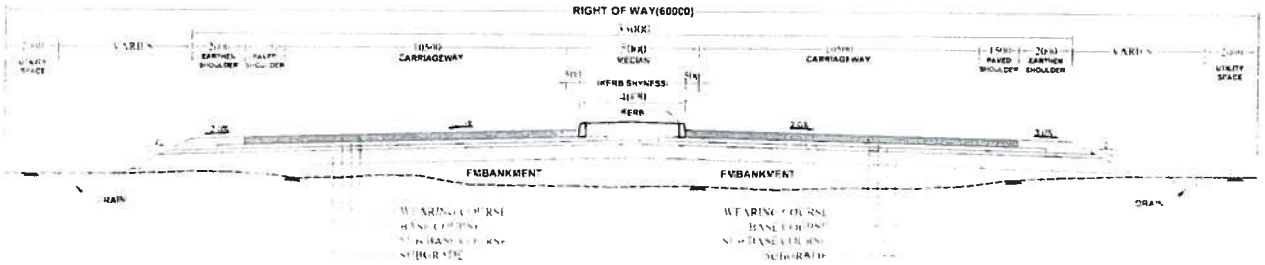
TYPICAL CROSS SECTION : TYPE - IIIA

Concentric Widening of Existing 2 Lane Road to 4 Lane with 5.0m. Service Road Including 1.5m. RCC Flush Drain on RHS and 6.50m. Service Road Including 3.0m. RCC Flush Drain on LHS in Built-up Stretche where Irrigation channel Running Parallel to Project Road

NOTE : All Dimensions in mm

15/11/16

Jasbinder Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



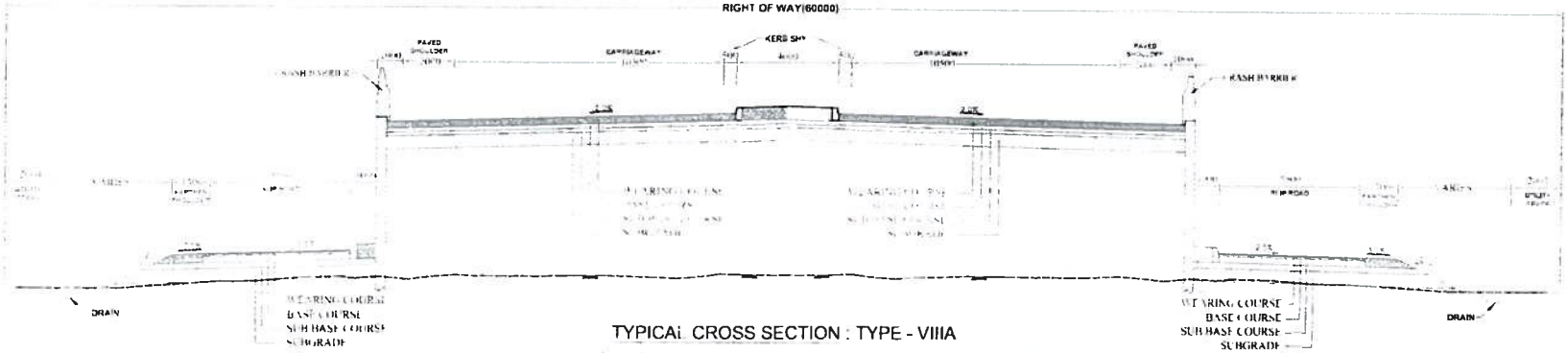
TYPICAL CROSS SECTION : TYPE - VIIB

Construction of New 6 Lane with Paved Shoulder & 5.0m. Median in Bypass / Realignment Stretches

NOTE : All Dimensions in mm

15/11/16

Jasbinder Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



TYPICAL CROSS SECTION : TYPE - VIIIA

Construction of New 6 Lane with 5.5m. Slip Road on Both Side in the Approaches of VUP in Bypass / Realignment Stretches

NOTE - All Dimensions in mm

15/10/16

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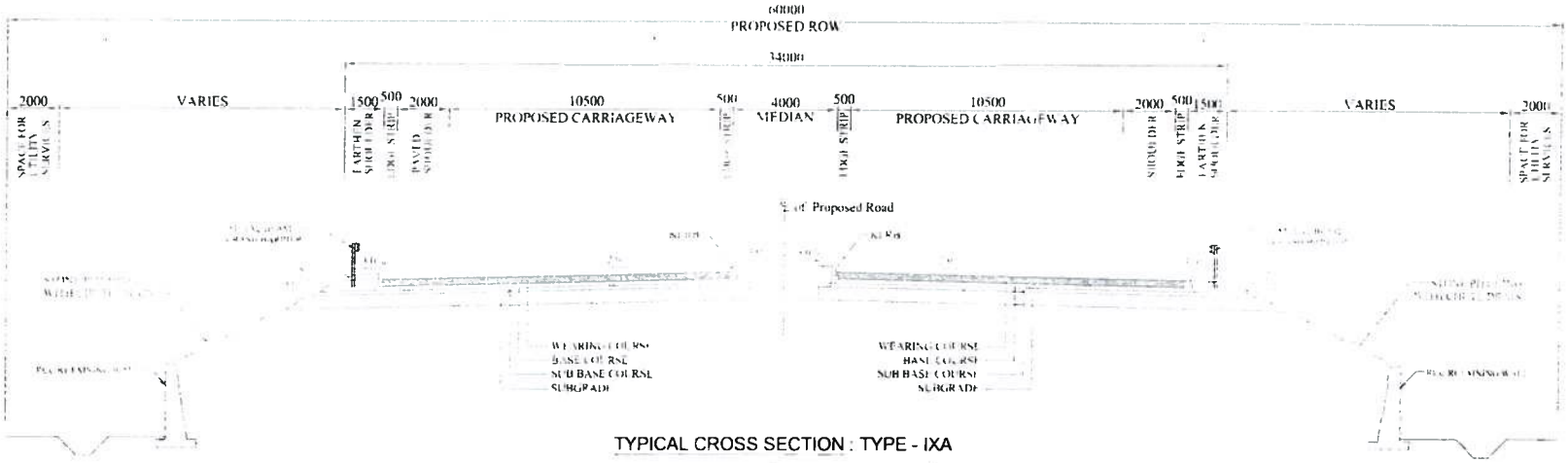
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



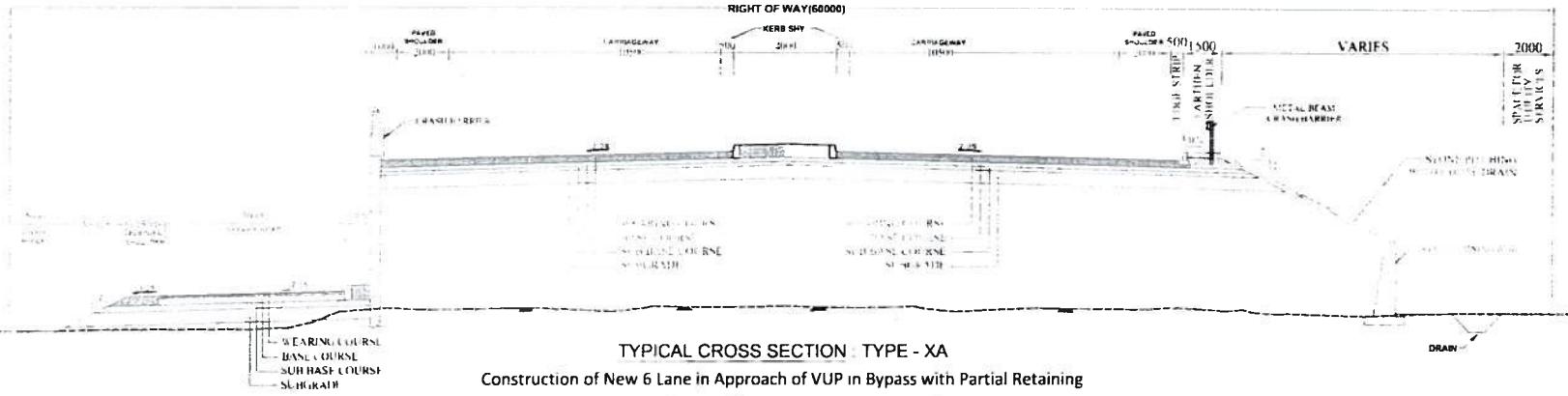
TYPICAL CROSS SECTION : TYPE - IXA

Construction of New 6 Lane in Approach of VUP in Bypass/
Realignment with Partial Retaining Wall & Embankment

NOTE : All Dimensions in mm

15/11/11

Jasbindar Singh
General Manager cum Project Director
National Highways Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



TYPICAL CROSS SECTION : TYPE - XA

Construction of New 6 Lane in Approach of VUP in Bypass with Partial Retaining Wall & Embankment in RHS side & RE Wall & 7.00m Service road on LHS

NOTE - All Dimensions in mm

15/11/16

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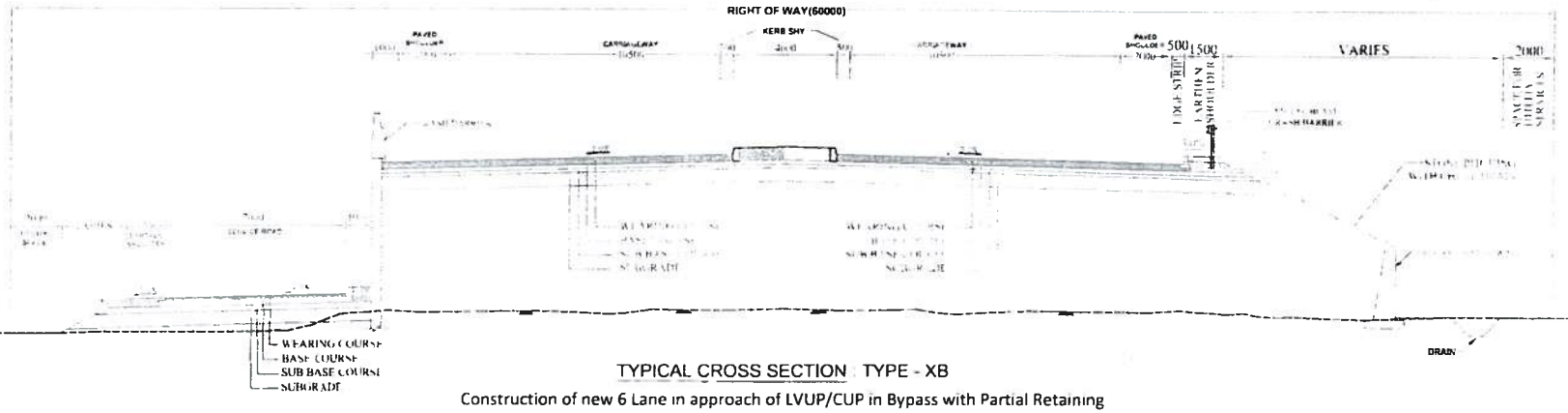
General Manager cum Project Director
National Highways Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

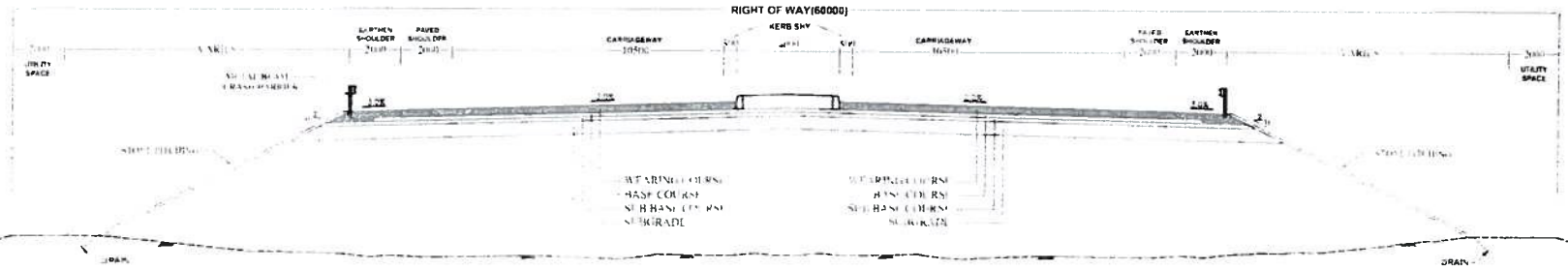


TYPICAL CROSS SECTION : TYPE - XB

Construction of new 6 Lane in approach of LVUP/CUP in Bypass with Partial Retaining Wall & Embankment in RHS side & RE Wall & 7.00m Service Road on LHS

NOTE : All Dimensions in mm

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

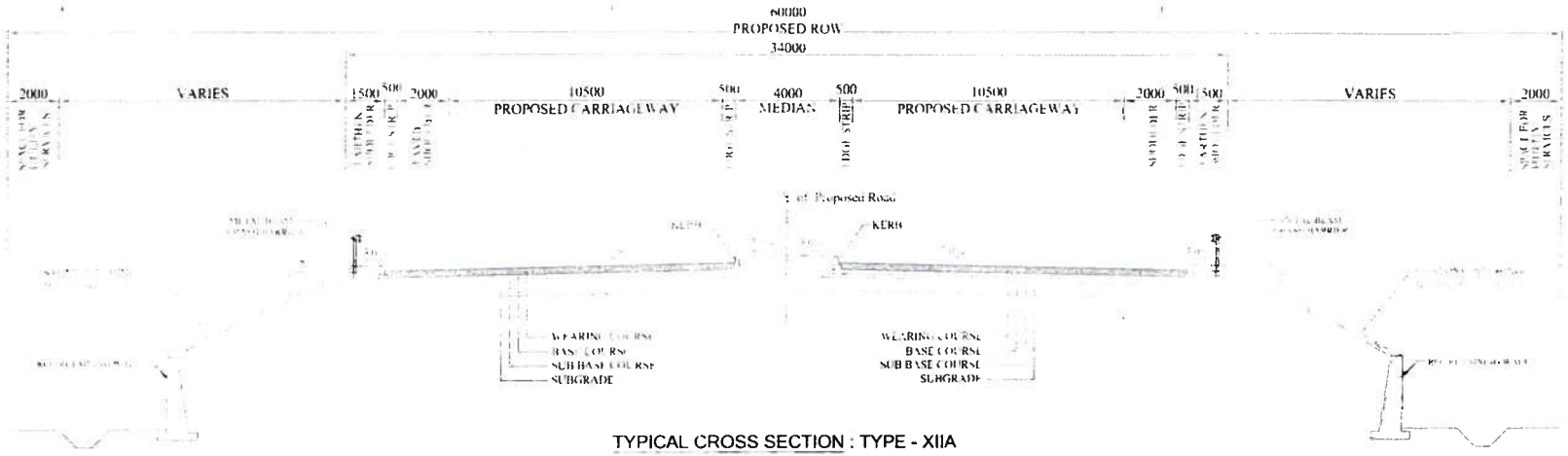


TYPICAL CROSS SECTION : TYPE - XIA

Construction of New 6 Lane in Approach of VUP/LVUP/CUP/ Viaduct in Bypass/Realignment Stretches

NOTE - All Dimensions in mm

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



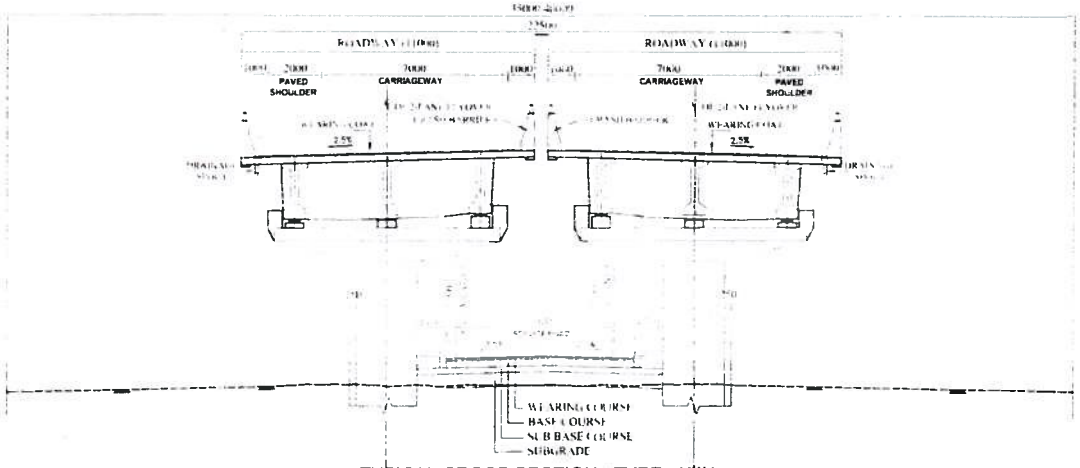
TYPICAL CROSS SECTION : TYPE - XIIA

Construction of New 6 Lane in Approach of Viaduct cum LVUP in Bypass/Realignment Stretches with Partial Retaining Wall and Embankment

NOTE - All Dimensions in mm

15/11/16

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



TYPICAL CROSS SECTION : TYPE - XIIIA

Construction of New 4 Lane Viaduct with 7.00m Service Road

Under Viaduct Along Existing Road

NOTE : All Dimensions in mm

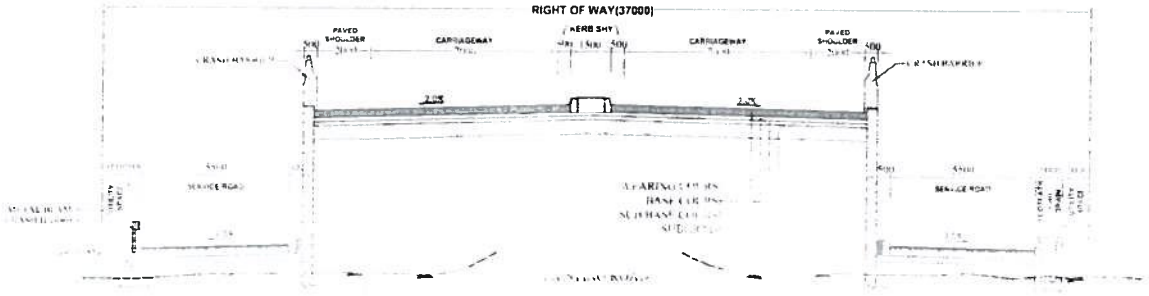
15/11/18

Jasbindar Singh

General Manager cum Project Director

National Highway Authority of India, PIU-Aligarh

(Ministry of Road Transport & Highways, Govt. of India)



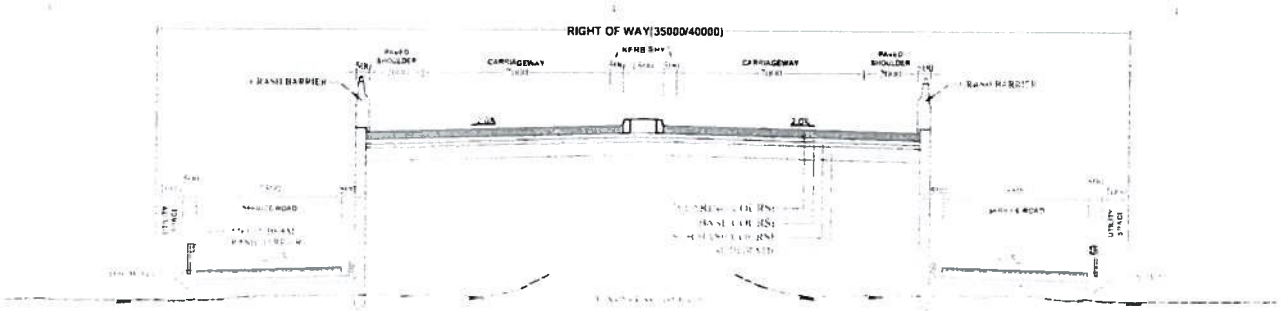
TYPICAL CROSS SECTION - TYPE - XIVA

Concentric Widening of Existing 2 Lane Road to 4 Lane with 5.50m Service Road on RHS with RCC Drain & 5.50m Service Road on LHS with Toe Wall of Average Height of 0.75m

NOTE :- All Dimensions in mm

15/11/11

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

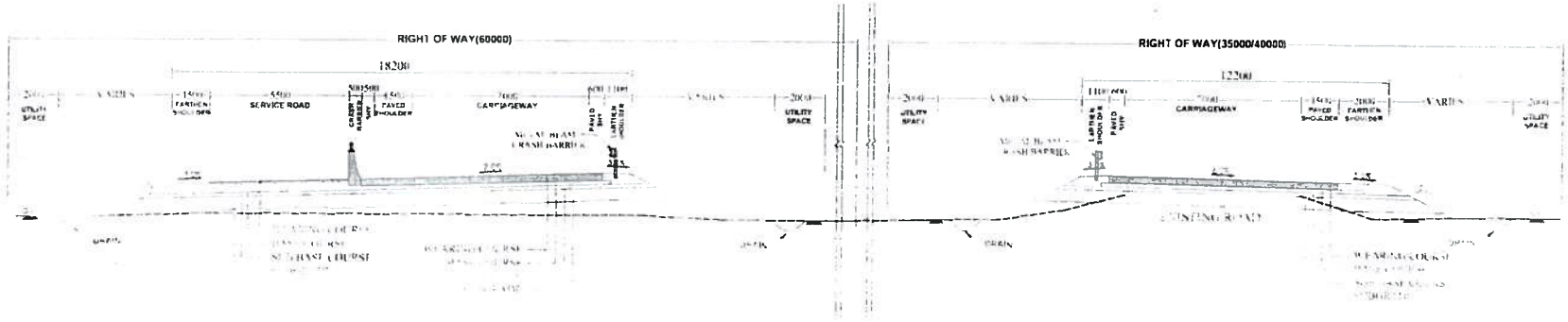


TYPICAL CROSS SECTION : TYPE - XVA

Concentric Widening of Existing 2 Lane Road to 4 Lane with 5.50m. Service Road on Both Side with Toe Wall of Average Height of 0.75m

Jasbinder Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE : All Dimensions in mm



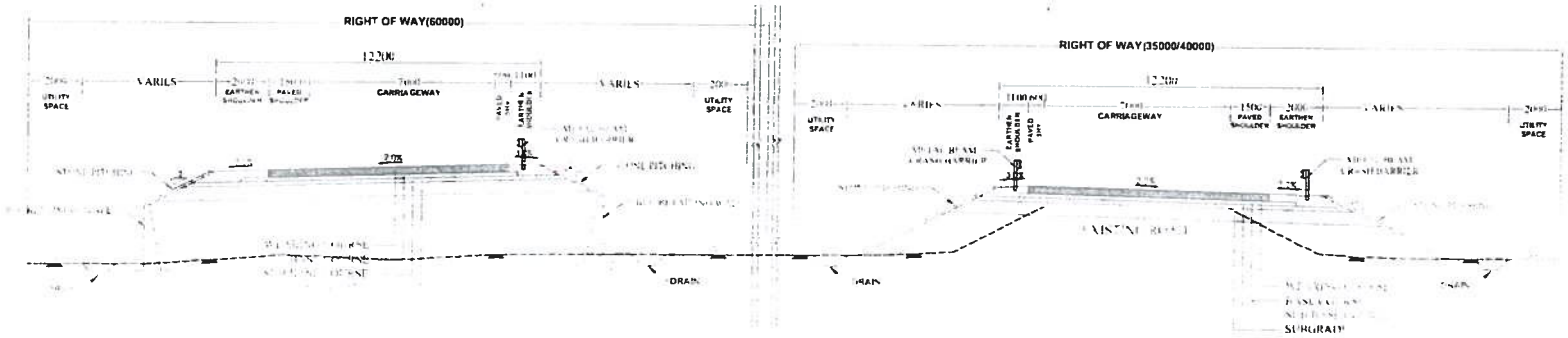
TYPICAL CROSS SECTION : TYPE - XVIA

Construction of Independent New 2 Lane C/W in Bypass/ Realignment with 5.50m Service Road at LHS and Widening of existing 2 Lane to 2 Lane with Paved Shoulder Along Existing Road

NOTE :- All Dimensions in mm

15/11/16

Jasbindar Singh
General Manager cum Project Director
National Highway Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



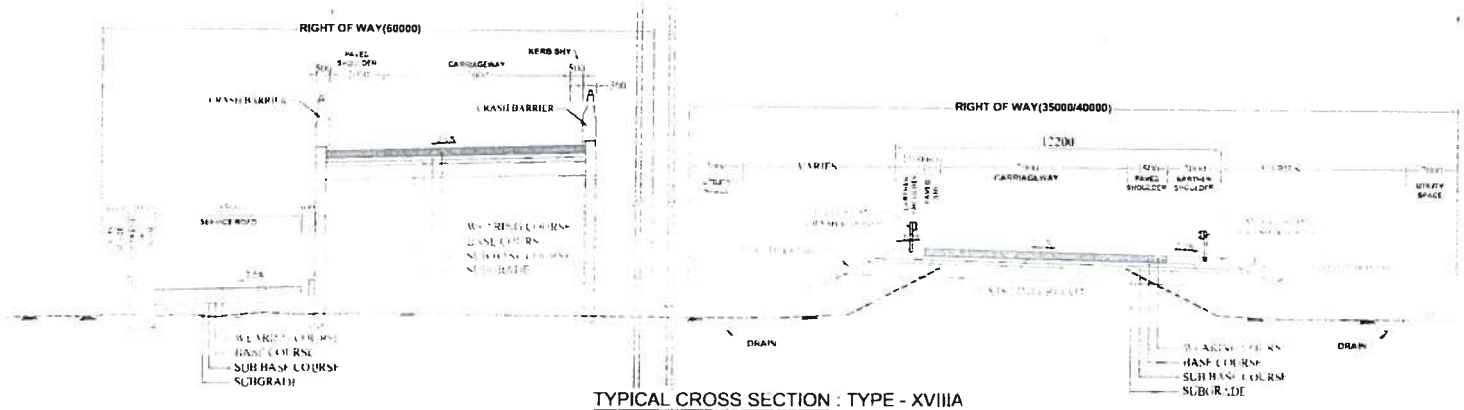
TYPICAL CROSS SECTION : TYPE - XVIIA

Construction of Independent New 2 Lane C/W in Bypass/ Realignment with Partial Retaining Wall & Embankment at LHS and Widening of Existing 2 Lane to 2 Lane with Paved Shoulder Along Existing Road

NOTE All Dimensions in mm

15/11/16

Jasbinder Singh
General Manager & Project Director
National Highways Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)



TYPICAL CROSS SECTION : TYPE - XVIIIA

Construction of Independent New 2 Lane C/W in Bypass/ Realignment with RE Wall with 5.5m Service Road and Drain at LHS and Widening of Existing 2 Lane to 2 Lane with Paved Shoulder Along Existing Road

15/11/16

Jasbinder Singh
General Manager & Project Director
National Highways Authority of India, PIU-Aligarh
(Ministry of Road Transport & Highways, Govt. of India)

NOTE - All Dimensions in mm