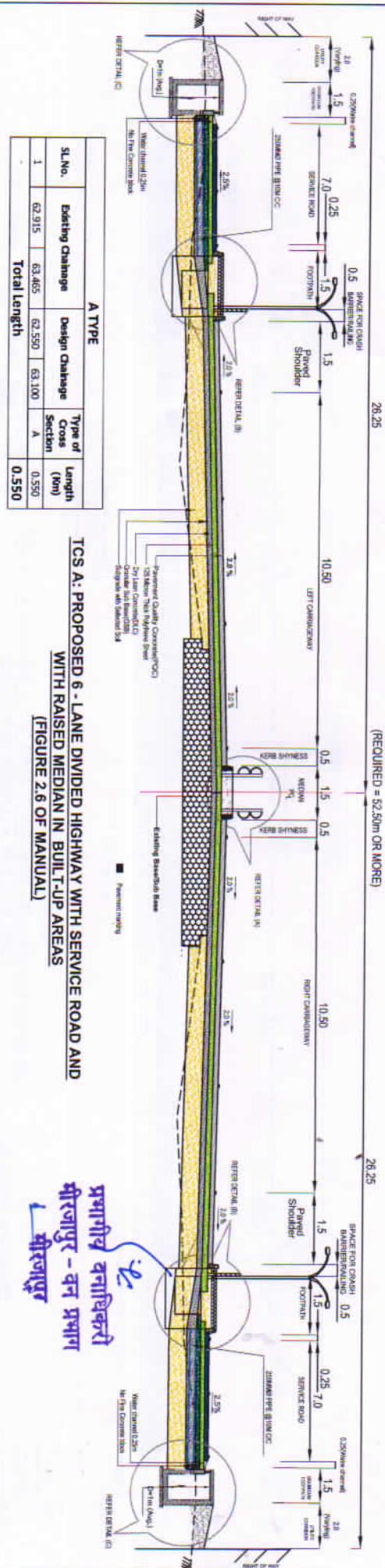
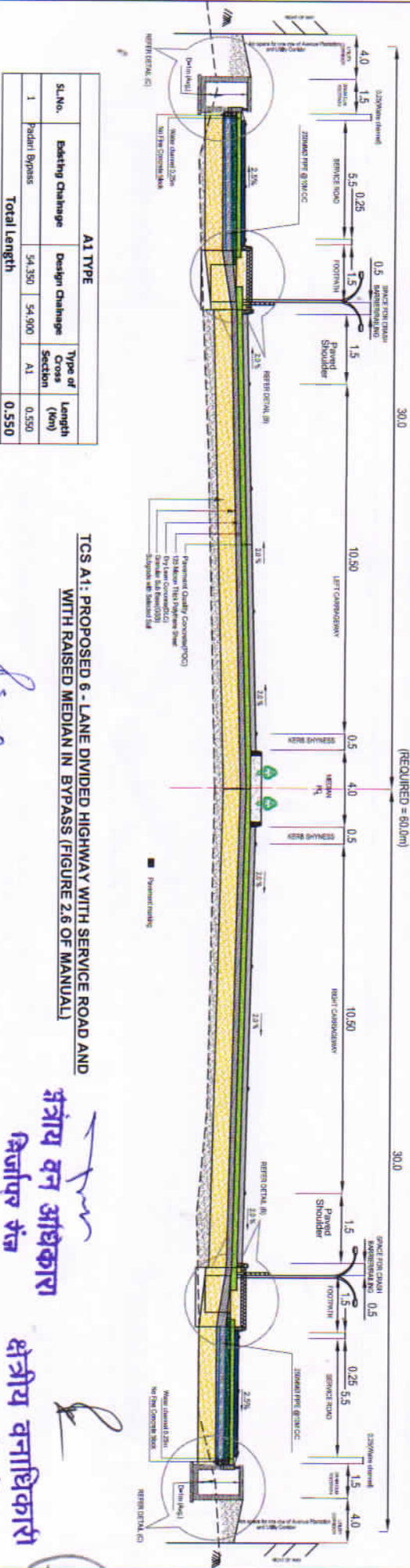




TCS A: PROPOSED 6 - LANE DIVIDED HIGHWAY WITH SERVICE ROAD AND WITH RAISED MEDIAN IN BUILT-UP AREAS
(FIGURE 2.6 OF MANUAL)

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मीरजापुर - वन प्रशास
मीरजापुर



TCS A1: PROPOSED 6 - LANE DIVIDED HIGHWAY WITH SERVICE ROAD AND WITH RAISED MEDIAN IN RURAL AREAS
(FIGURE 2.6 OF MANUAL)

प्रशासीय वनाधिकारी
मीरजापुर - वन प्रशास
मीरजापुर

NATIONAL HIGHWAYS AUTHORITY OF INDIA



Consultancy Services for Revision of Feasibility Report for Rehabilitation and Up-Grading of NH Stretch under NHDP-IV/03 for Varanasi - Hardwar Section of NH-7 and Preparation of EPC Document

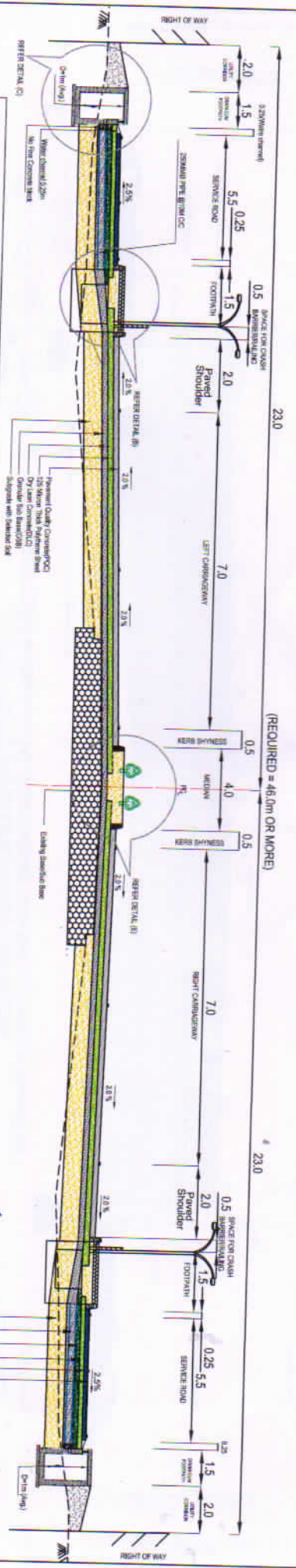
NOT TO SCALE

Manager (Tech.)

PIU, Varanasi

PIU, Varanasi

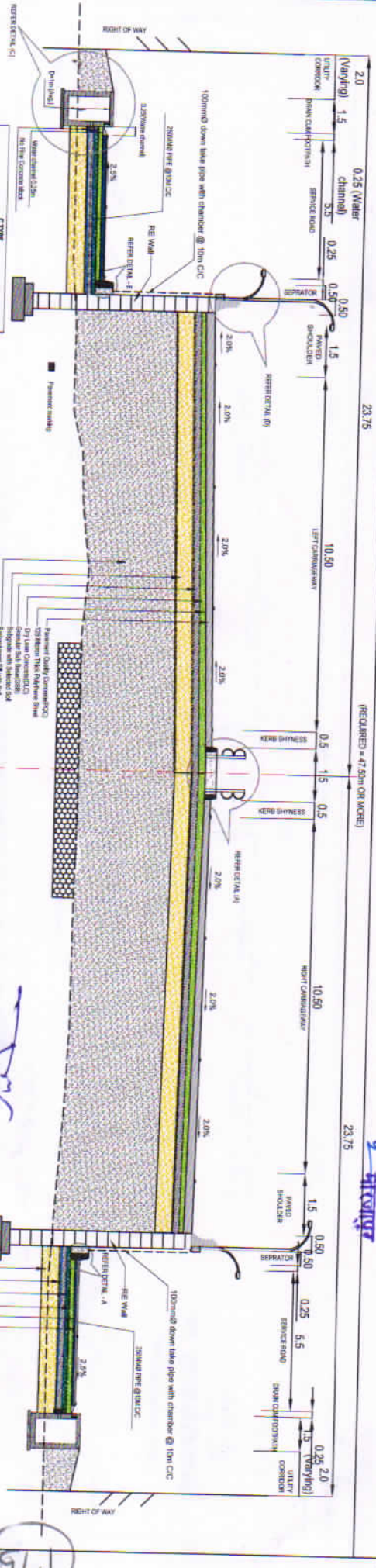
PIU, Varanasi



Sl. No.	Existing Challenge	Design Challenge	Type of Cross Section	Length (km)
1	81.507	82.100	80.000	80.600
2	90.130	90.630	88.900	89.600
Total Length				1.300

TCS B: PROPOSED 4 - LANE DIVIDED HIGHWAY WITH SERVICE ROAD AND WITH RAISED MEDIAN IN BUILT UP AREA
(FIGURE 2.6 OF MANUAL)

प्रभागीय वनाधिकारी
भारतपुर - वन प्रभाग
भारतपुर



Sl. No.	Existing Challenge	Design Challenge	Type of Cross Section	Length (km)
1	81.507	82.100	80.000	80.600
2	90.130	90.630	88.900	89.600
Total Length				1.300

TCS C: TYPICAL CROSS SECTION OF 6-LANE DIVIDED HIGHWAY WITH SERVICE ROAD FOR APPROACHES
(FIGURE 7.8 OF MANUAL FOR GRADE SEPARATED STRUCTURE)

NATIONAL HIGHWAYS
AUTHORITY OF INDIA



Consultancy Services for Revision of Feasibility Report for
Rehabilitation and Up-Grading of NH Stretch under NHDP-IVB
(Package No.-UP/IDPR/NHDP-IV/03) for Varanasi - Haridwar
Section of NH-7 and Preparation of EPC Documents.

Fig. No.	HTES/HWN/HAUPR/300-0004/NH-7/TCS02
SCALE	NOT TO SCALE

Typical Cross Sections

Drawn by: Sandeep Raut
Designed by: Rajendra Singh
Checked by: V.P. Goyal

Revision No: 70
Date: April 2017

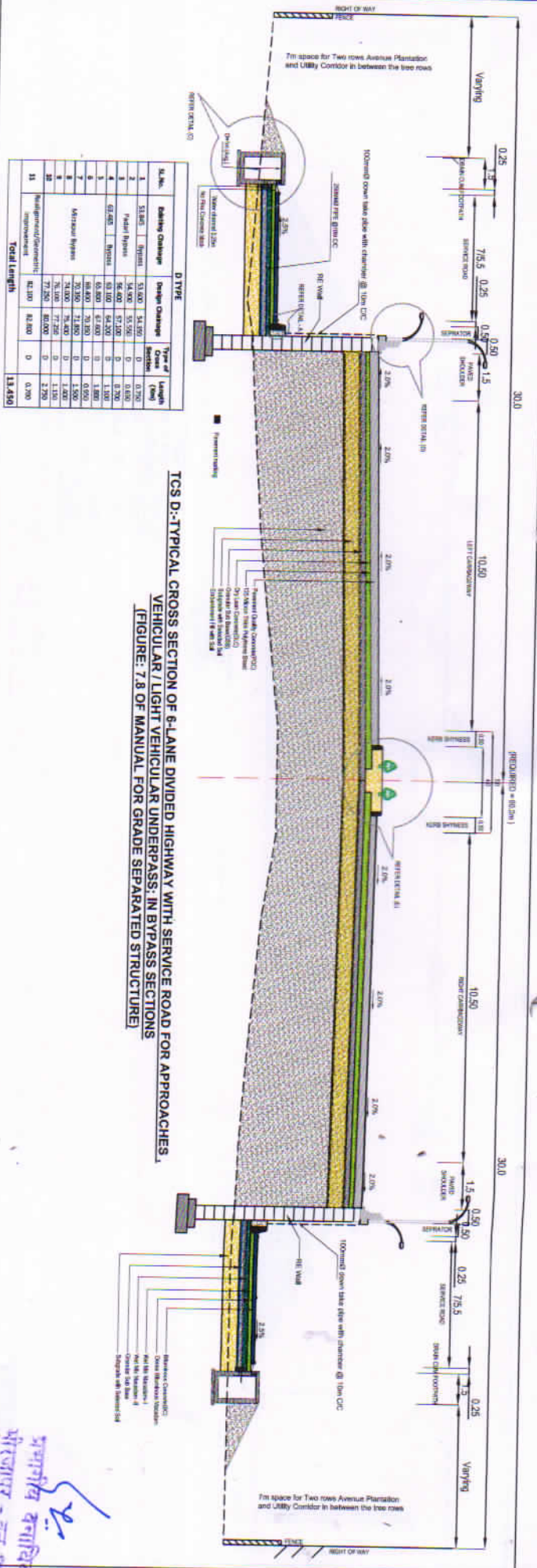
S.K. Popli
(A Government of India Enterprise)

प्रभागीय वनाधिकारी

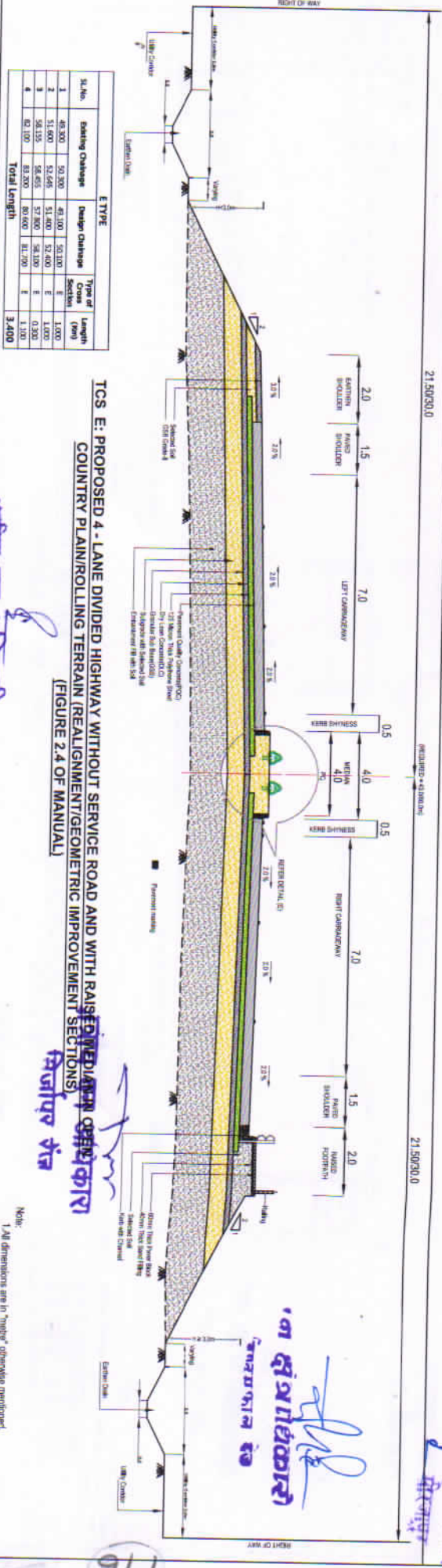
Manager (Tech.)
PIU, Varanasi

क्षेत्रीय वनाधिकारी

लालगंज रेंज



TCS D: TYPICAL CROSS SECTION OF 6-LANE DIVIDED HIGHWAY WITH SERVICE ROAD FOR APPROACHES.
VEHICULAR / LIGHT VEHICULAR UNDERPASS: IN BYPASS SECTIONS
(FIGURE 7.8 OF MANUAL FOR GRADE SEPARATED STRUCTURE)



TCS E: PROPOSED 4 - LANE DIVIDED HIGHWAY WITHOUT SERVICE ROAD AND WITH RAISED MEDIAN OVERPASS
COUNTRY PLAIN/ROLLING TERRAIN (REALIGNMENT/GEOMETRIC IMPROVEMENT SECTIONS)
(FIGURE 2.4 OF MANUAL)

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Consultancy Services for Revision of Feasibility Report for
Rehabilitation and Up-Grading of NH Streetlights in NH-17B
(Package No.-UP/IDPR/NHDP-1/103) for Varanasi - Hamirpur
Section of NH-7 and Preparation of EPC Documents

Drg. No. RITES/WHN/HAUP/R/300-00034/NH-7/CS03
SCALE NOT TO SCALE

Typical Cross Sections

Checked by: V.P. Goyal

Revision No: R0
Date: April 2017

Approved by: S.K. Prasad
(A Government of India Enterprise)



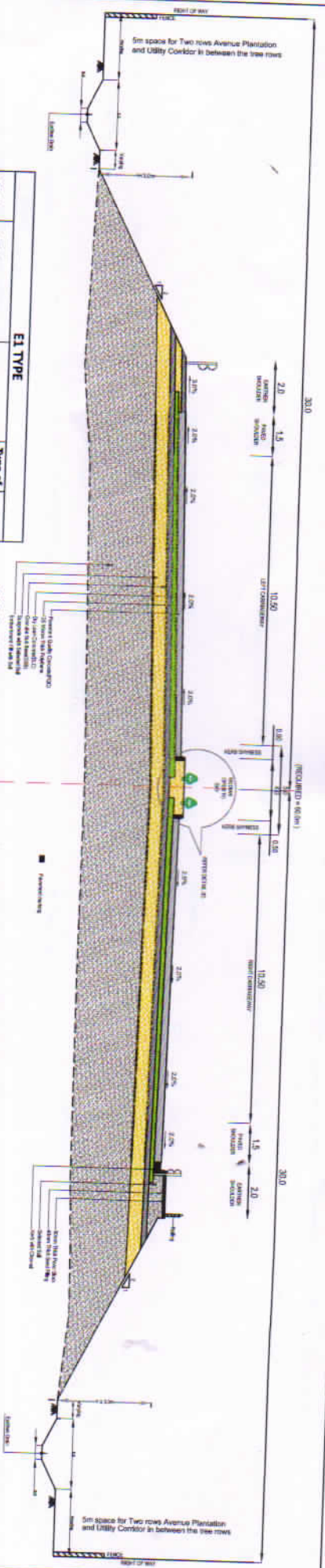
Manager (Tech.)
PIU, Varanasi

लातगंज रोज

सिवापुर रोज

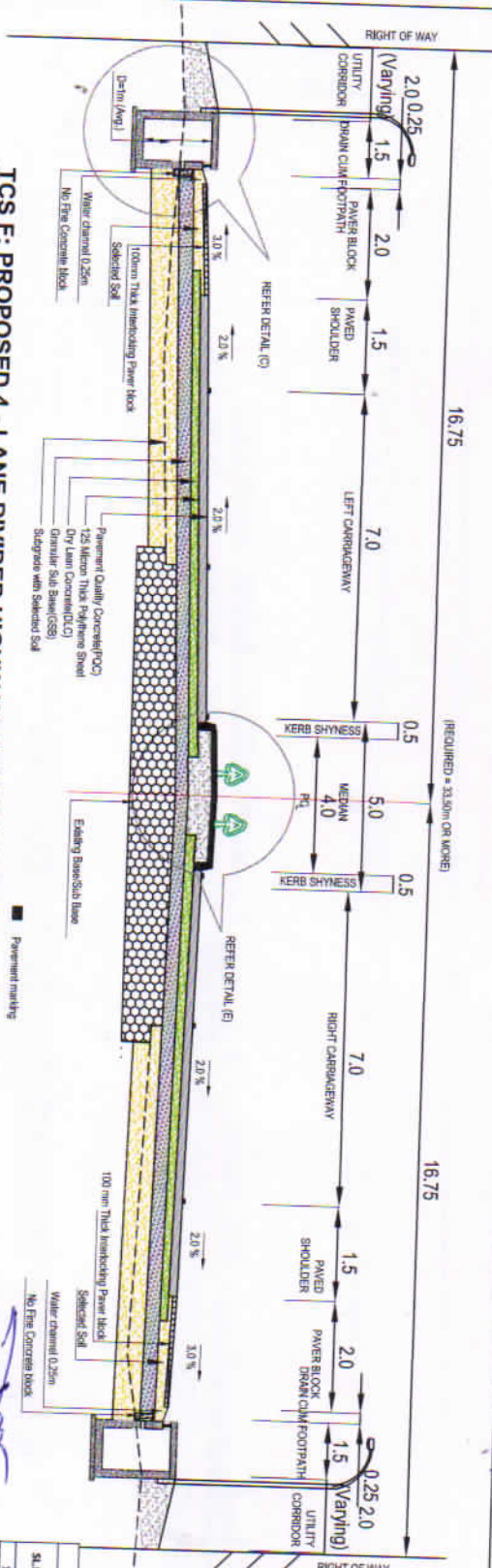
श्री अशोक कुमार

श्री अशोक कुमार
सिवापुर - वन प्रभाग



Sl. No.	Existing Challenge	Design Challenge	Type of Cross Section	Length (m)
1	Padari Bypass	55.550	E1	0.850
2	Mirzapur Bypass	69.000	E1	0.400
3	Realignment/Geometric Improvement	81.700	E1	0.400
Total Length				1.650

TCS E1:- TYPICAL CROSS SECTION OF 4-LANE DIVIDED HIGHWAY WITHOUT SERVICE ROAD FOR APPROACHES, LVP/ BYPASS SECTION/RE ALIGNMENT (FIGURE 7.8 OF MANUAL FOR GRADE SEPARATED STRUCTURE)



TCS F:- PROPOSED 4 - LANE DIVIDED HIGHWAY WITHOUT SERVICE ROAD IN ISOLATED BUILT UP AREAS (FIGURE 2.4 OF MANUAL)

Sl. No.	Existing Challenge	Design Challenge	Type of Cross Section	Length (m)
1	53.445	53.045	F	0.400
2	61.860	62.110	F	0.250
3	91.035	92.625	F	0.200
Total Length				1.350

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Consultancy Services for Rehabilitation and Up-gradation of NH Stretch under NHDP-IV/B (Package No.-UP/DP/NHDP-IV/03) at Varanasi-Manmohan Section of NH-7 and Preparation of EPC Documents.

Drg. No. RITES/WM/NM/UP/RT/300-003/4NH-7/CS/04 SCALE NOT TO SCALE

Typical Cross Sections

Drawn by: Sandeep Ravi
Designed by: Rajendra Sharma
Checked by: V.P. Goyal
Revision No. R0
Date: June 2017
S.K. Prasad
(A Government of India Enterprise)

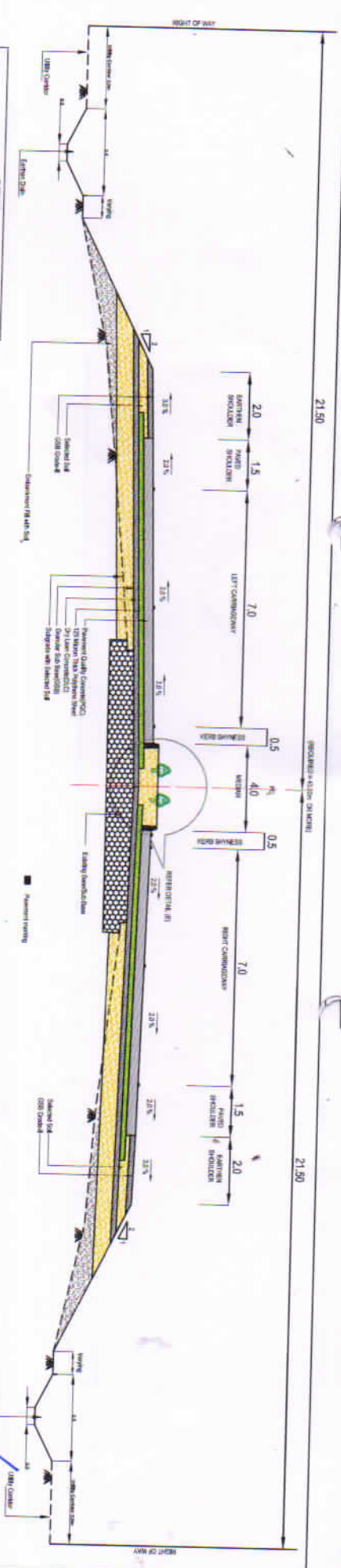
Manager (Tech.)
PIU, Varanasi
लातोज रंज

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मीरजापुर - वन प्रभाग
मीरजापुर

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Sl. No.	Existing Chaisage	Design Chaisage	Type of Section	Length (m)
1	50.500	51.600	G	1.100
2	51.045	51.800	G	0.800
3	51.405	52.000	G	0.800
4	51.805	52.200	G	0.800
5	52.205	52.400	G	0.800
6	52.605	52.800	G	0.800
7	53.005	53.200	G	0.800
Total Length		52.000	G	7.200

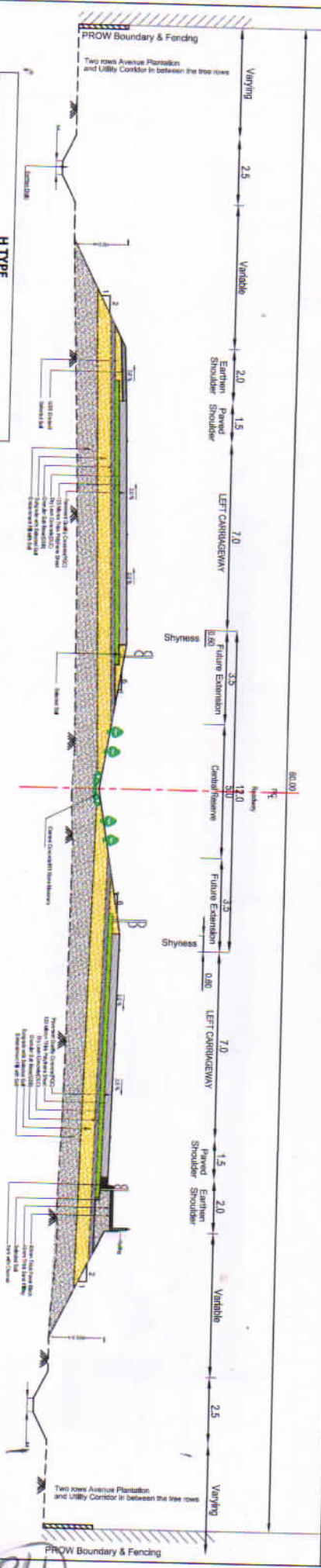
TCS G : PROPOSED 4 - LANE DIVIDED HIGHWAY WITHOUT SERVICE ROAD AND WITH RAISED MEDIAN IN OPEN COUNTRY PLAIN/ROLLING TERRAIN
(FIGURE 2.4 OF MANUAL)



प्रमाणित कर्ताधिकारी
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द मीरजापुर

Sl. No.	Existing Chaisage	Design Chaisage	Type of Section	Length (m)
1	57.100	57.800	H	0.700
2	57.200	57.900	H	1.400
3	57.300	58.000	H	1.400
4	57.400	58.100	H	1.400
5	57.500	58.200	H	1.400
Total Length		58.000	H	6.550

TCS H : PROPOSED 4 - LANE DIVIDED HIGHWAY WITHOUT SERVICE ROAD AND WITH 12.0M DEPRESSED MEDIAN/COUNTRY PLAIN/ROLLING TERRAIN : BYPASS SECTION
(FIGURE 2.2 OF MANUAL)



**NATIONAL HIGHWAYS
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Consultancy Services for Revision of Project Report for
Rehabilitation and Up-Grading of NH stretch under NHDP-IVB
(Package No.-UP/IDPR/NHDP-IV/03) for the stretch of NH-7
Section of NH-7 and Preparation of EPC Documents.

Drg. No. RITESH/MH/MAUPR/300-00034/NH-7/TCS04
SCALE NOT TO SCALE

Typical Cross Sections
Checked by: V.P. Goyal

Designed by: Rajendra Sathwal
S.K. Pipli
Approved by:

Revision No: 50
Date: June 2017
(A Government of India Enterprise)

क्षेत्रीय वन अधिकारी

क्षेत्रीय वन अधिकारी
मिर्जापुर संत

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मिर्जापुर संत

मानावर (Tech.)
P U, Varanasi

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NEO

30.0m or More



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Consultancy Services for Revision of Feasibility Report for
Rehabilitation and Up-Graddation of NH-7 stretch under NHDP-IVB
(Package No.-UP/IDPR/NHDP-W03) for Varanasi - Mannanmaha
Section of NH-7 and Preparation of EPC Documents.

Drg. No.	RITESH/NH/NA/UP/RT/300-000304/NH-7/TCS/006
SCALE	NOT TO SCALE

Typical Cross Sections

Drawn by: Sandeep Rahl

Designed by: Rajendra Sothwal

Revision No: F00
Date: April 2017

TRITES
(A Government of India Enterprise)

Note:
1. All dimensions are in "inches" otherwise mentioned.
2. For Details of A to E Refer Dwg. RITES/HWN/HMUP/RT300-00034/NH-7/CSE0
3. For Details of Retaining Wall Refer Structure Drawing

क्षेत्रीय वन अधिकारी

विज्ञापन वन अधिकार
विज्ञापन वन

‘वैराग्यमया देव’

प्रभाषीय वनाधिकारी
मीरजापुर - वन प्रभाग
मीरजापुर

क्षेत्रीय वनाधिकारी

Manager (Tech.)
PIU, Varanasi

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