



Government of India
Ministry of Road Transport & Highways
Office of the Chief Engineer-Regional Officer
No. 32, 2nd Floor, KSCFL Building,
Race Course Road, BENGALURU-560 001

Email: robengaluru@gmail.com; Telephone: 080-22267457, 080-22265765

No. RW/BNG/PER.CASES/OFC/2021 / 1656

Dated: 10-03-2022

Notice Inviting Public Comments on proposal seeking permission for laying of OFC cable along NH -169 from Maluru Km 43+400 to Theerthahalli Km 58+400 on LHS for a total length of 15.00 Kms through HDD method by M/s. Telesonic Networks Ltd.

Reference: The Chief Engineer, NH, Bengaluru letter No. CNH/TA-3/AE-9/NH-169/Km 43.40 to 58.40/OFC /2021-22/2757 dated 11.01.2022.

The Chief Engineer, NH, Bengaluru vide letter cited under reference above (Annexure I), has submitted proposal seeking permission for laying of OFC cable along NH -169 from Maluru Km 43+400 to Theerthahalli Km 58+400 on LHS for a total length of 15.00 Kms through HDD method by M/s. Telesonic Networks Ltd.


2. The proposal has been examined as per Ministry's Guidelines vide letter no.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and is generally found in order.

3. In view of above, as per Ministry's said guidelines Para 4, public comments are invited on the above proposal making claims and raising objections (on grounds of public inconvenience, safety and general public interest) if any within 30 days on public portal i.e., website of Ministry of Road Transport and Highways (morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

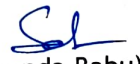
Comment Inviting Authority

The Chief Engineer-Regional Officer
Ministry of Road Transport & Highways
No. 32, 2nd Floor, KSCFL Building,
Race Course Road, BENGALURU-560 001
Email: robengaluru@gmail.com; Telephone: 080-22267457, 080-22265765

Enclosed: As above.


(S.Sadananda Babu)
Superintending Engineer
For Chief Engineer - Regional Officer

Copy to : (i) The Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
(ii) M/s. Telesonic Networks Ltd , No. 55, Divyashree Chambers, Bannerghatta Road, Bangalore - 560029 for information.


(S.Sadananda Babu)
Superintending Engineer
For Chief Engineer - Regional Officer

FORM A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways.

Subject: Proposal seeking permission for laying of OFC cable along NH -169 from Maluru Km 43+400 to Theerthahalli Km 58+400 on LHS for a total length of 15.00 Kms through HDD method by M/s. Telesonic Networks Ltd - Reg.

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments.

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	



Annexure I

Sl. No. 36 (R)



Phone No: 2276601

Fax No: 080-2276605
GOVERNMENT OF KARNATAKA
(Public Works Department)

E-Mail: cenhpwd@yahoo.co.in

Telegram : CENHW
Telephone : 080-2276601
Fax : 080-2276605
e-mail : cenhpwd@yahoo.co.in

Office of the Chief Engineer,
National Highways, K.R. Circle,
Bangalore-560001

No: CNH/TA-3/AE-9/NH-169/Km 43.40 to Km 58.40/OFC/2021-22/2757 Dated:

To:

The Chief Engineer,
Regional Officer, MoRT&H,
K.R. Circle, Bangalore.

O/o. THE CE-RO
MORT&H, BENGALURU

Sir,

Diary No.: 3021

Date: 12-1-2022

Sub:- Proposal for obtaining permission for laying of Optical Fibre Cable (OFC) along NH-169 from Malur to Thirthahalli Ch. KM 43.40 to Km 58.40 on LHS for a length of 15.00 kms Shimoga-Mangalore section in the State of Karnataka - Issue of NOC reg.

Ref:-

1. M/s Telesonic Network Ltd, Bangalore letter Dtd:-20.10.2021.
2. The SE, NH, B'lore letter No.2359-60 Dtd:-06.01.2021.

M/s Telesonic Network Ltd, Bangalore in their letter dtd:-20.10.2021 has sought NOC for laying of Optical Fibre Cable (OFC) along NH-169 from Malur to Thirthahalli Ch. KM 43.40 to Km 58.40 on LHS for a length of 15.00 kms Shimoga-Mangalore section in the State of Karnataka . Based on the request of M/s Telesonic Network Ltd, Bangalore the Assistant Executive Engineer, NHSD, Shimoga has inspected the site and verified the proposal with respect to Ministry's guide line and circular No.RW/NH-33044/29/2015/S&R(R) Dated 22.11.2016. After detailed examination the Superintending Engineer, NHC, Bangalore has recommended for issue of NOC as per Ministry's guide lines.

The proposal received from the Superintending Engineer, NHC, Bangalore has been examined with respect to Ministry's latest guide line vide No RW/NH-33044/29/2015/S&R(R) Dated 22.11.2016. The firm proposed to lay the OFC which various from 10.80m to 14.00m away from the Existing center line of the Highway by HDD method. A strip plan indicating the proposed OFC lines are also here with enclosed.

However, the request of the firm to issue NOC for laying OFC cable is recommended here with subject to the following conditions.

Pl examine & propose
S2
12-1-22
on file please
yoc

- The applicant has to furnish the License deed duly signing the agreement for the use of NH land as per Ministry's Guidelines along with the required Bank Guarantee/Performance guarantee.
- The OFC Cable shall not be laid at depth not less than approved depth from road surface / ground level.
- The OFC Cable should be laid as per IRC: 98-1997 Guidelines on Accommodation of utility services on roads in urban areas.
- Laying of cables should not be carried out during the monsoon season.
- Carriageway has to be restored for smooth vehicular movements immediately if any damages are observed during the work.
- All care & adequate safety measures have to be taken for controlling the traffic during the execution.
- This trench should be properly restored to the original condition in shoulder & formation area.
- OFC Cable laying should be taken up after monsoon season.
- Under any circumstances highway structures should not be damaged.
- The OFC Cable trench will have to be shifted by the concerned department without damaging National Highway property in case it is required for widening / improvement or reconstruction.
- This department is not responsible for any damages which are likely to occur to the OFC Cable caused during maintenance or any other nature of works to be carried out in National OFC Cable is to be laid along the drain it should be refilled with M15 concrete and original drain may be restored for the true flow of rain water with minimum depth of 0.60mtrs for surface runoff.
- No trenching work is allowed on the approaches of bridges.
- Back filling trench across the road should be done using locally available river sand with proper adequate compaction.
- Earth-slip if observed during the trenching, by the side of the formation or hillock side immediate action to be taken for a restoration.
- Trenching should be done on day to day basis with the excavation, laying the pipelines and backfilling, so as not to keep the trench open for any hazards.
- The restoration charges should be deposited well in advance.
- Work is to be taken up only after giving the intimation well in advance to this office, duly obtaining NOC from this department.
- As per Ministry's Guidelines for granting Right of Way permission to Telecom service Licensees/Infrastructure providers for laying of Telecom cables/ducts on NH land vide letter No.RW/NH-33044/29/2015/S&R(R) dated:22.11.2016. The details of license fees and Bank Guarantee as under;
- Trenching should be done by HDD method only for entire length.

- The necessary fee may be paid to the department as per the ministerial norms, as mentioned below by the applicant.
- Since some of the stretches of the reach runs through forest areas, the applicants has to obtain necessary permissions from the concerned Forest Department.
- The applicant has proposed to lay OFC on RHS& LHS of highway by adopting open trenching method. Since there is a possibility of damages to the shoulders and possibility of accidents, It has been recommended for laying OFC by HDD method only.

License Fees for 5 years = $99050 \times 5 \times 12$ = Rs. 5943000/-
 For Public Utility 33% of Industrial Utilities as per No.RW/NH-33044/29/2015/S&R(R)
 dated:22.11.2016 = Rs.19,61,190/-
 Total License Fee for initial 5 years for the above works is Rs. 19,61,190/-

The details of Bank Guarantee as under:


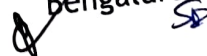
The Performance Bank Guarantee @ Rs.100/- per meter length with a validity for one year i.e. $\leq 300\text{mm}$ dia/width = $15000.00 \times \text{Rs.}100/-$ = Rs.15,00,000/-
 Total Bank Guarantee to be submitted is: Rs.15,00,000/-
 Total DD for Road licensee fee: Rs 19,61,190/-

With the above conditions the proposal along with check list and necessary documents and drawings are here with enclosed and submitted with a request to communicate approval to issue NOC.

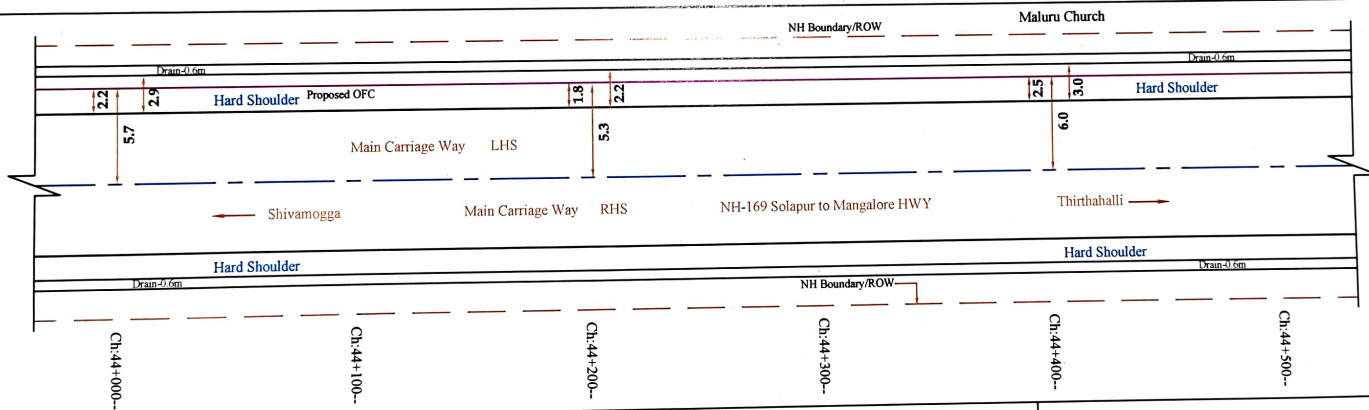
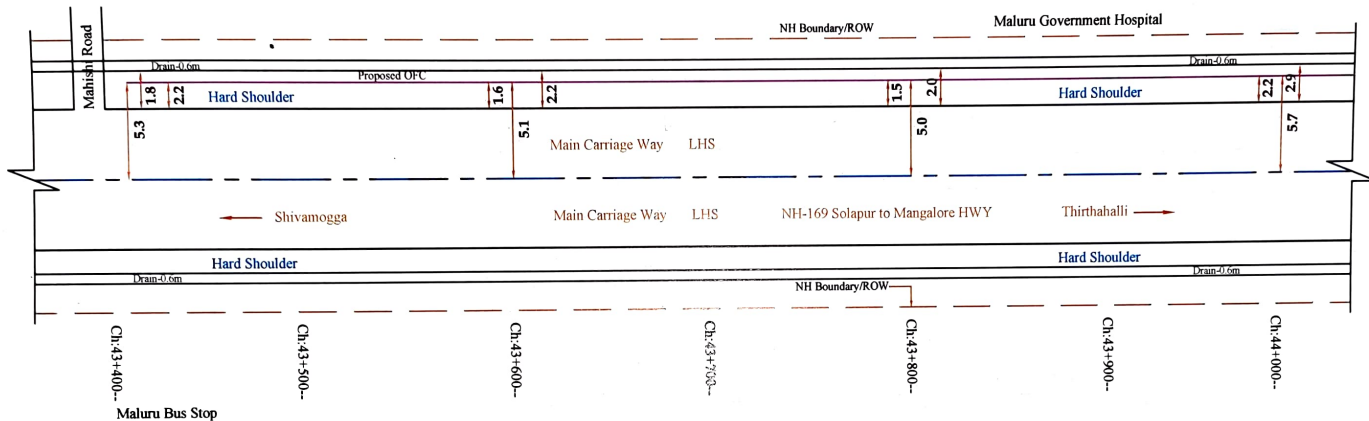
Encl : As above

Draft Approved by CE

Yours faithfully,


 For Chief Engineer,
 National Highways,
 Bengaluru


SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

	NH-4 Boundary/ROW Line
	Median Center
	Proposed OFC Cable
	BSNL OFC Fiber Line
	Bridge/Culvert



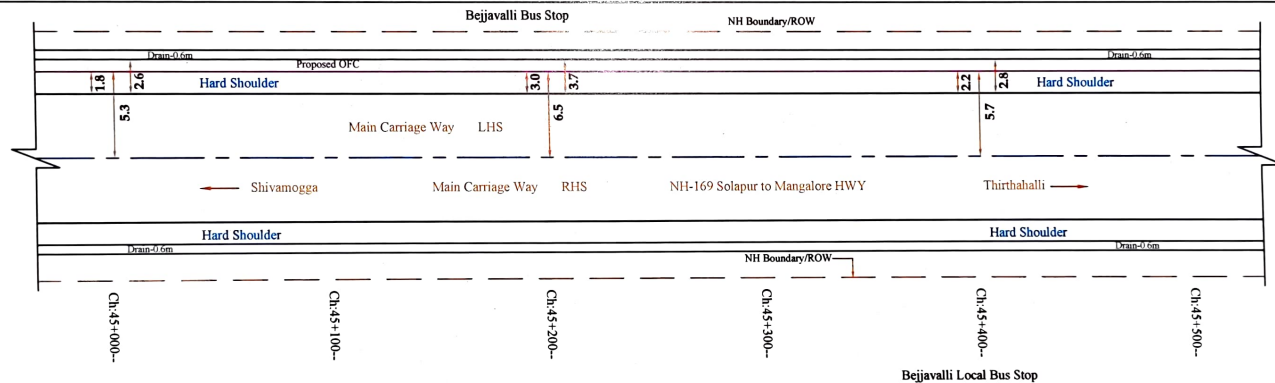
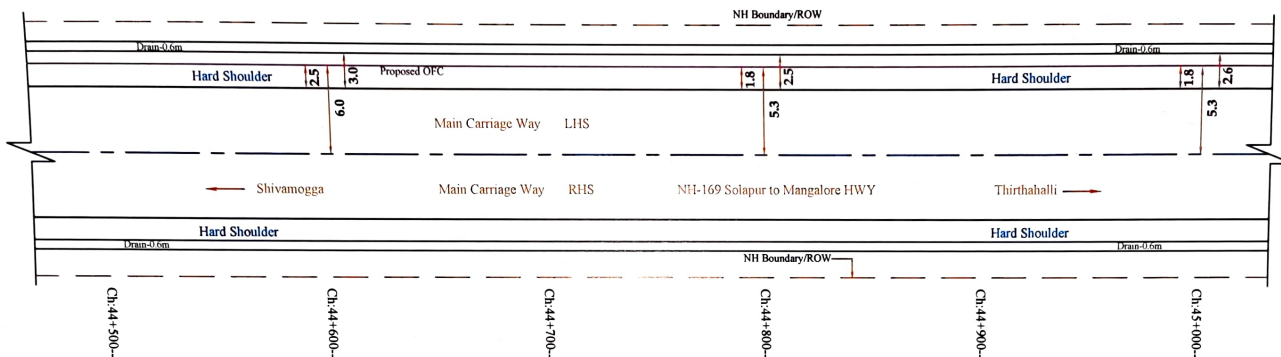
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
 NH-169 Chainage: 43+400 to 58+400
 Section Chainage: 43+400 to 44+500
 Section Length: 1100m
 Sheet No:01 of 15

Assistant Executive Engineer
 National Highway Special Sub-Division
 Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
---	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



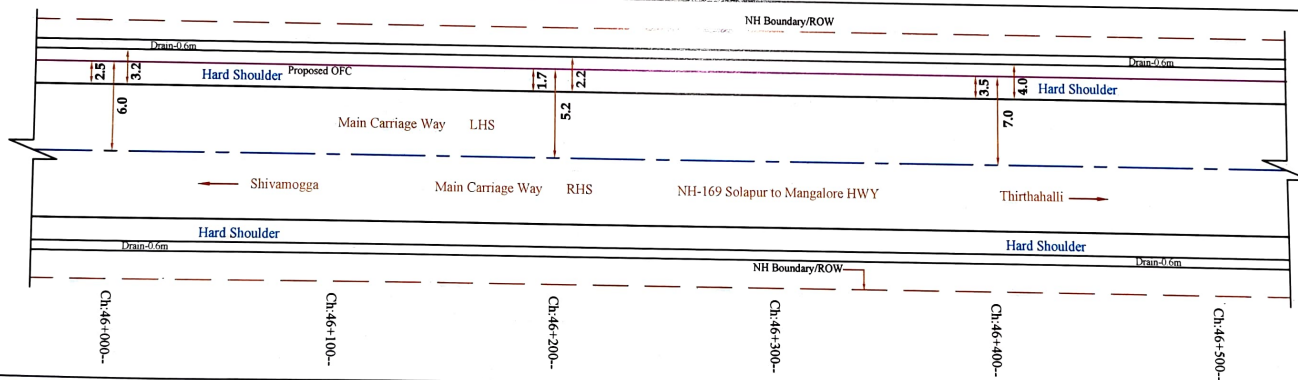
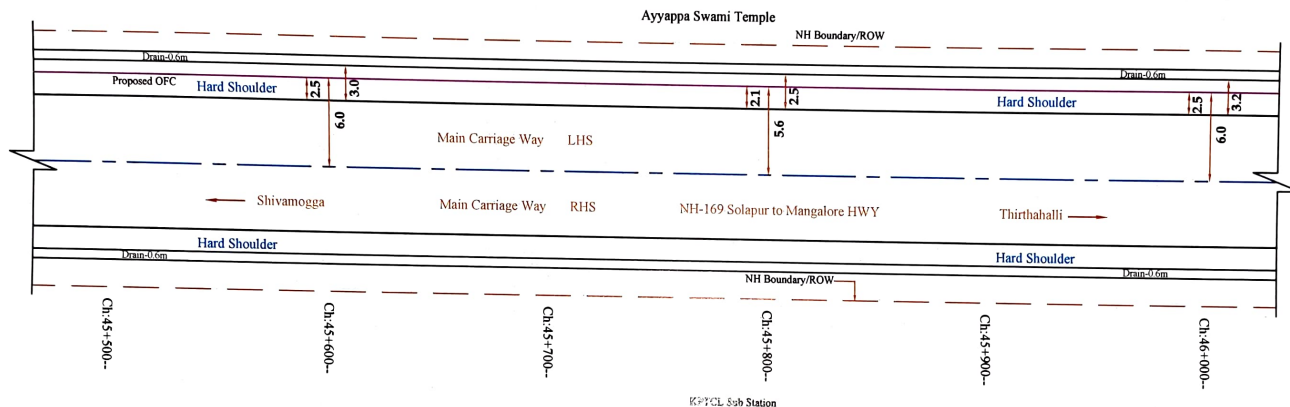
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
 NH-169 Chainage: 43+400 to 58+400
 Section Chainage: 44+500 to 45+500
 Section Length: 1000m
 Sheet No:02 of 15

Assistant Executive Engineer
 National Highway Special Sub-Division
 Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

	NH-4 Boundary/ROW Line
	Median Center
	Proposed OFC Cable
	BSNL OFC Fiber Line
	Bridge/Culvert



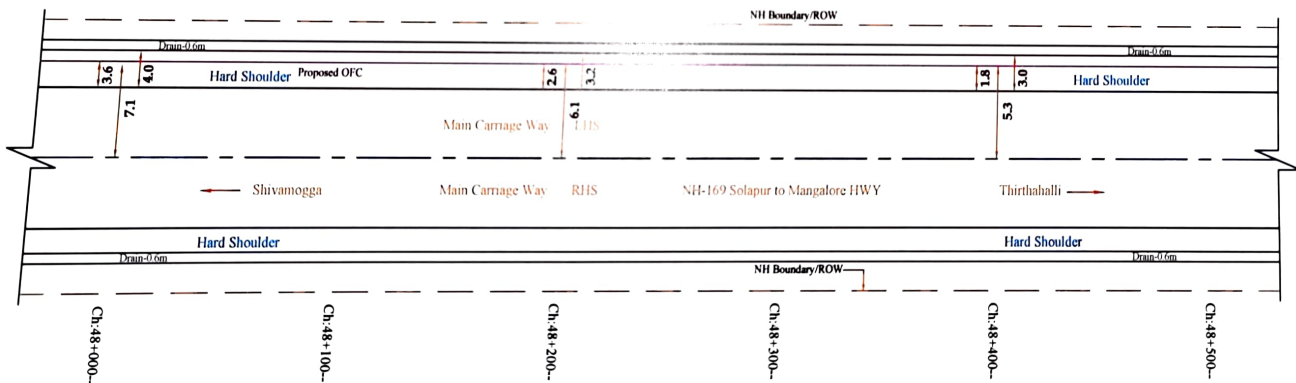
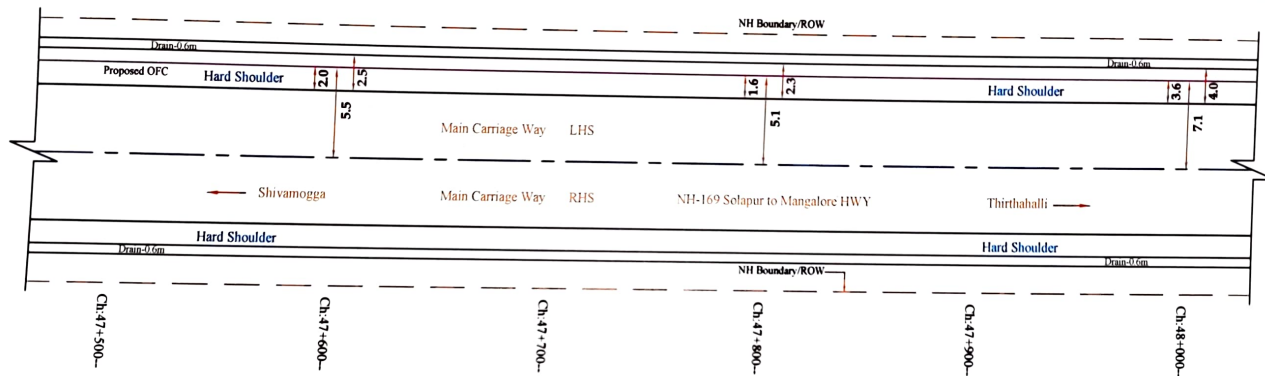
TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 45+500 to 46+500
Section Length: 1000m
Sheet No:03 of 15

Note: All Dimensions are in meter

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

	NH-4 Boundary/ROW Line
	Median Center
	Proposed OFC Cable
	BSNL OFC Fiber Line
	Bridge/Culvert



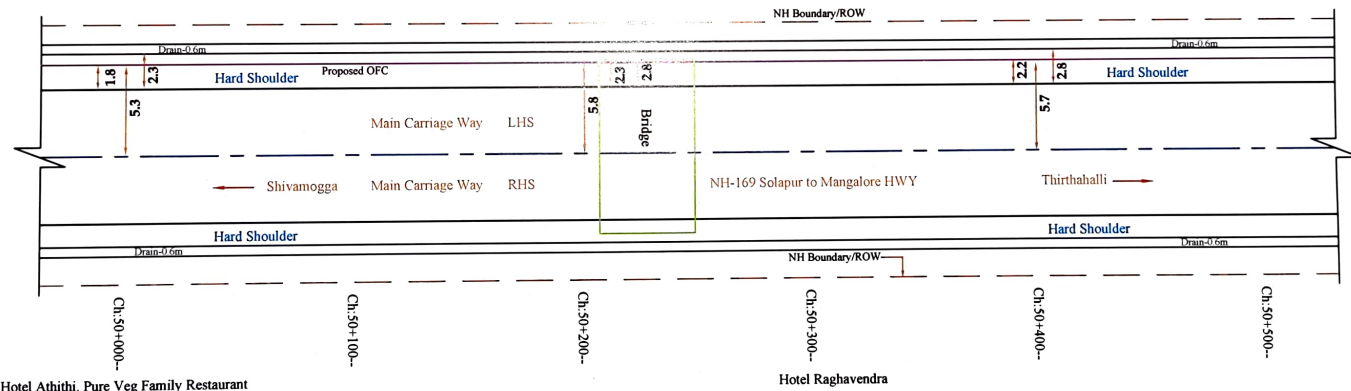
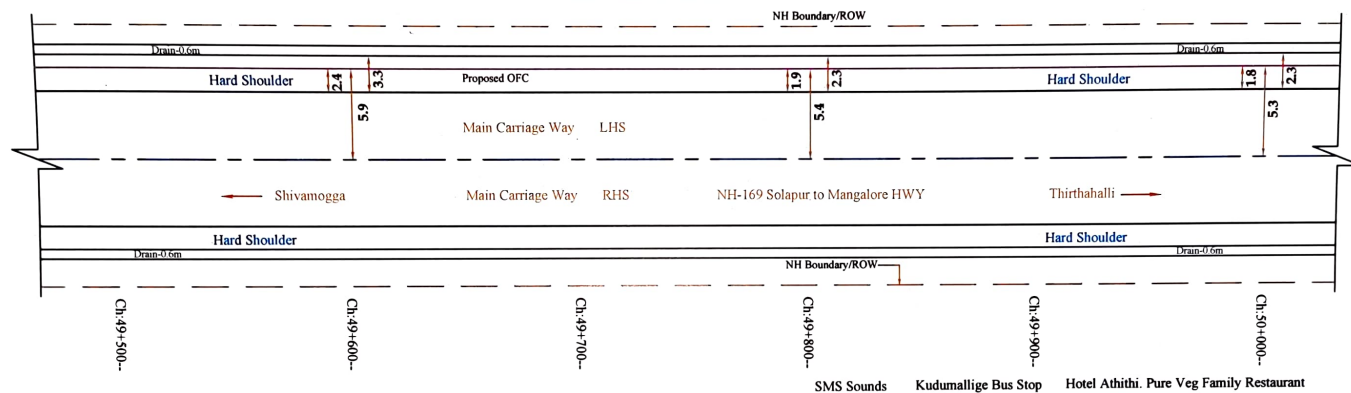
TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
 NH-169 Chainage: 43+400 to 58+400
 Section Chainage: 47+500 to 48+500
 Section Length: 1000m
 Sheet No:05 of 15

Note: All Dimensions are in meter

Assistant Executive Engineer
 National Highway Special Sub-Division
 Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
----	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



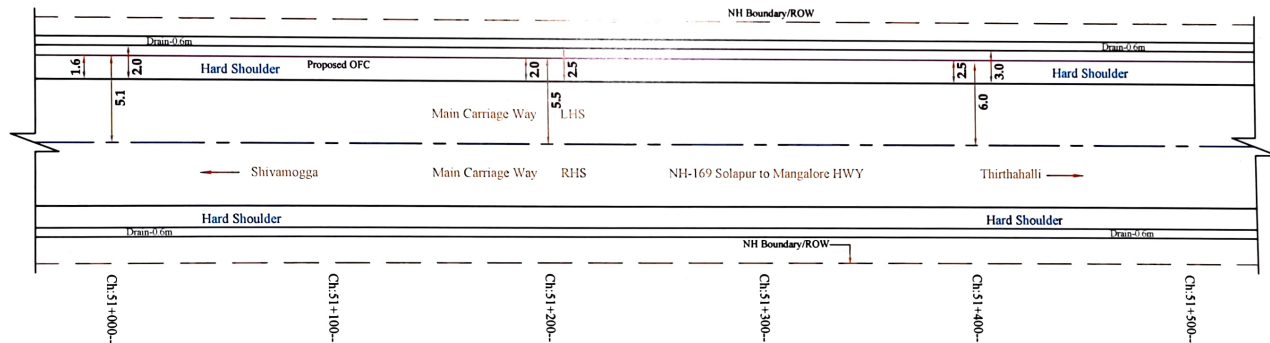
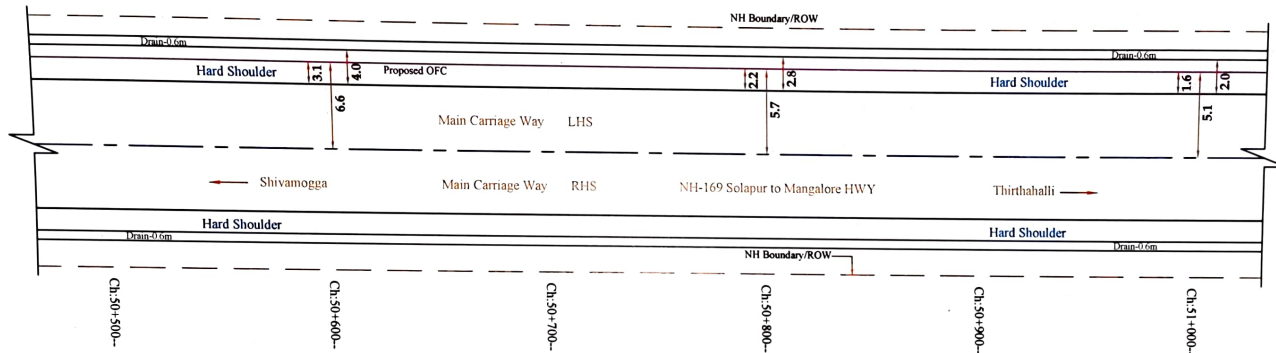
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 49+500 to 50+500
Section Length: 1000m
Sheet No: 07 of 15

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
----	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



TELESONIC NETWORKS LIMITED

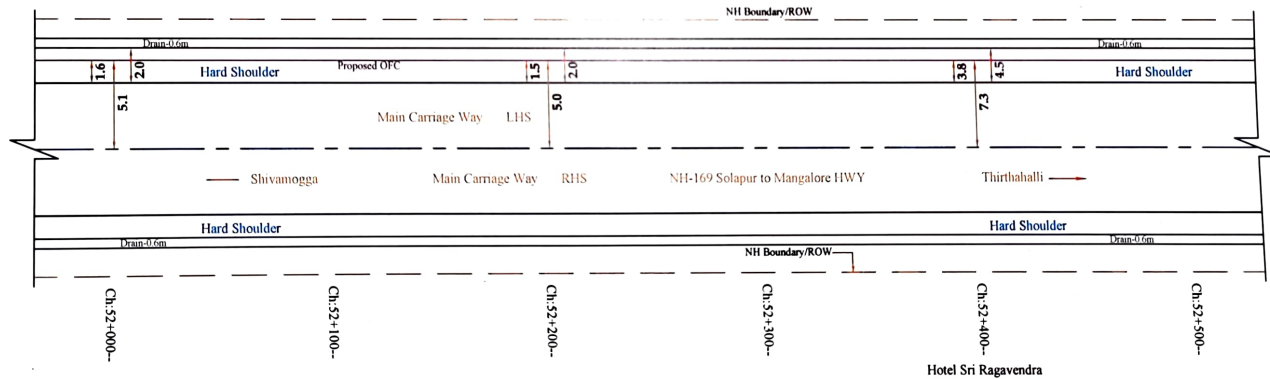
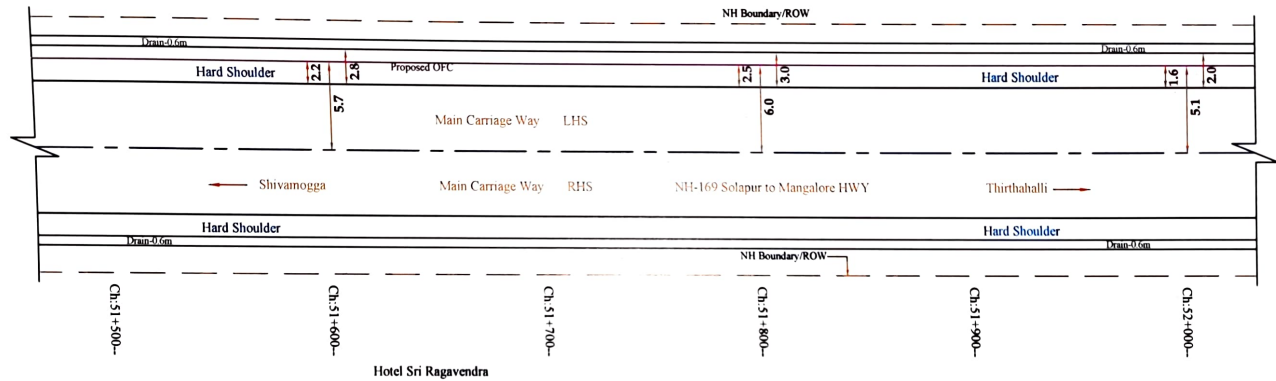
Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 50+500 to 51+500
Section Length: 1000m
Sheet No:08 of 15

Note: All Dimensions are in meter

Assistant Executive Engineer

National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
----	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



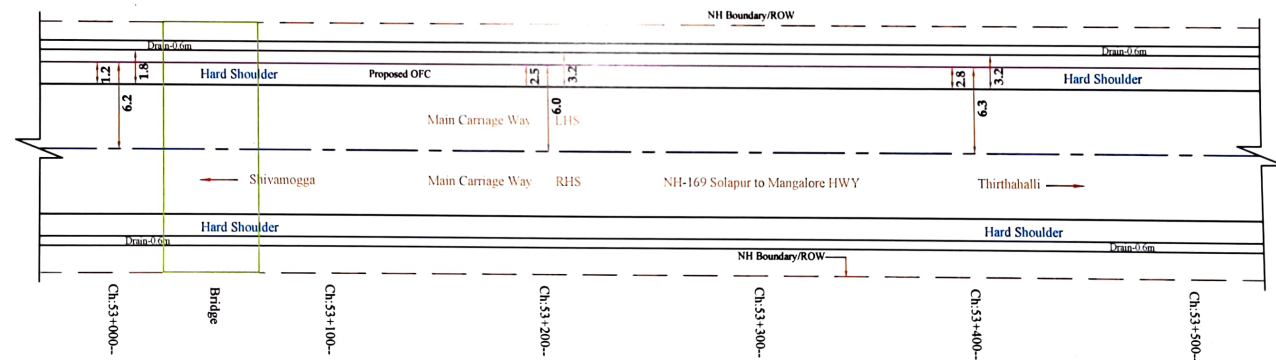
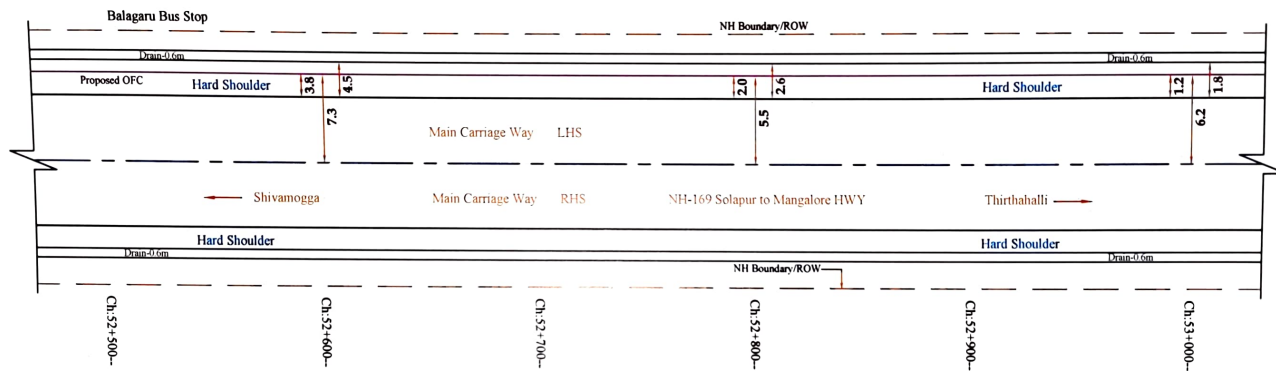
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 51+500 to 52+500
Section Length: 1000m
Sheet No:09 of 15

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
----	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



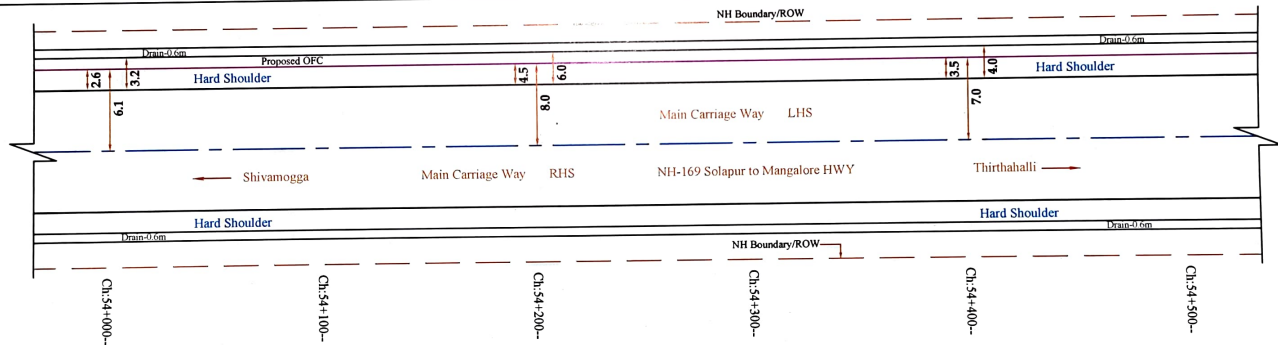
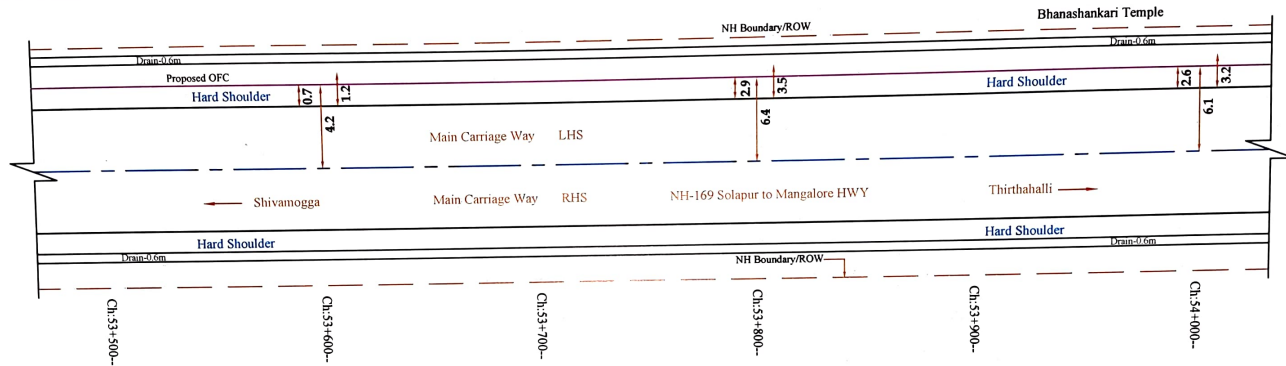
TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 52+500 to 53+500
Section Length: 1000m
Sheet No:10 of 15

Note: All Dimensions are in meter

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS	
	NH-4 Boundary/ROW Line
	Median Center
	Proposed OFC Cable
	BSNL OFC Fiber Line
	Bridge/Culvert



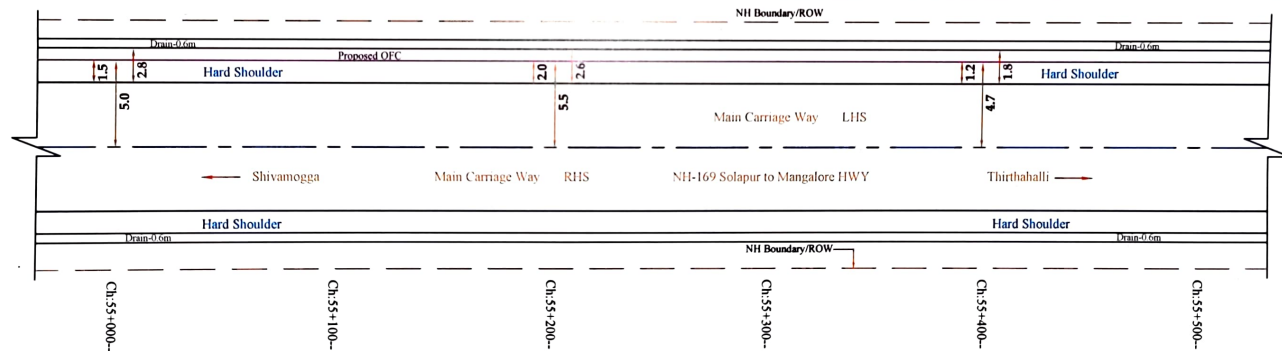
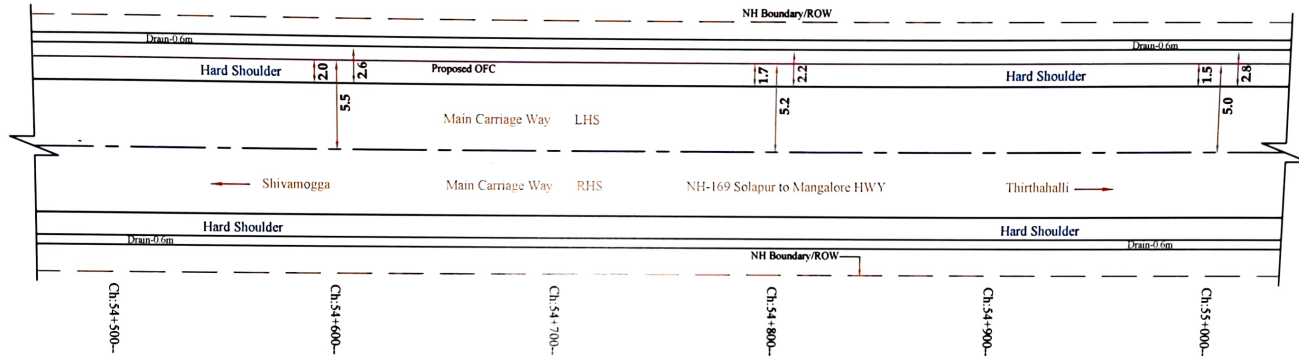
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
 NH-169 Chainage: 43+400 to 58+400
 Section Chainage: 53+500 to 54+500
 Section Length: 1000m
 Sheet No:11 of 15

Assistant Executive Engineer
 National Highway Special Sub-Division
 Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
----	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



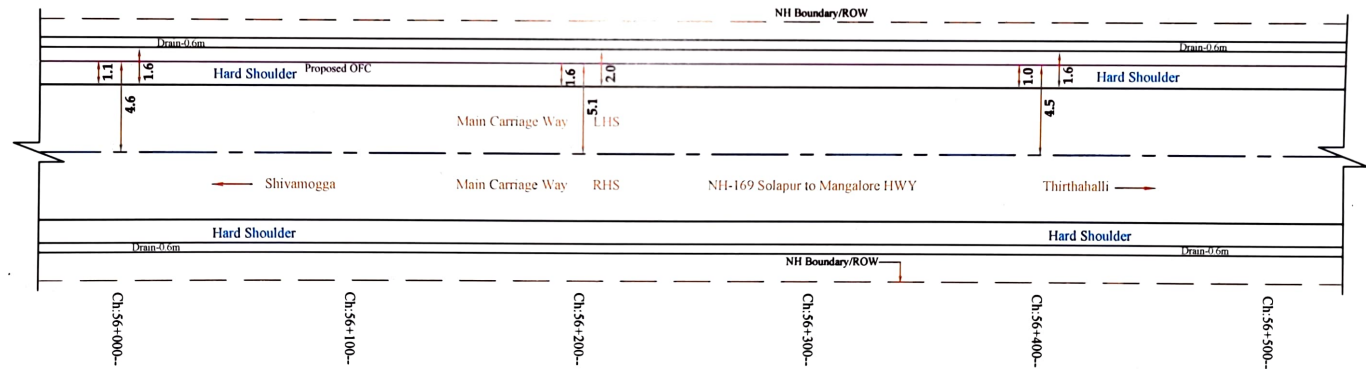
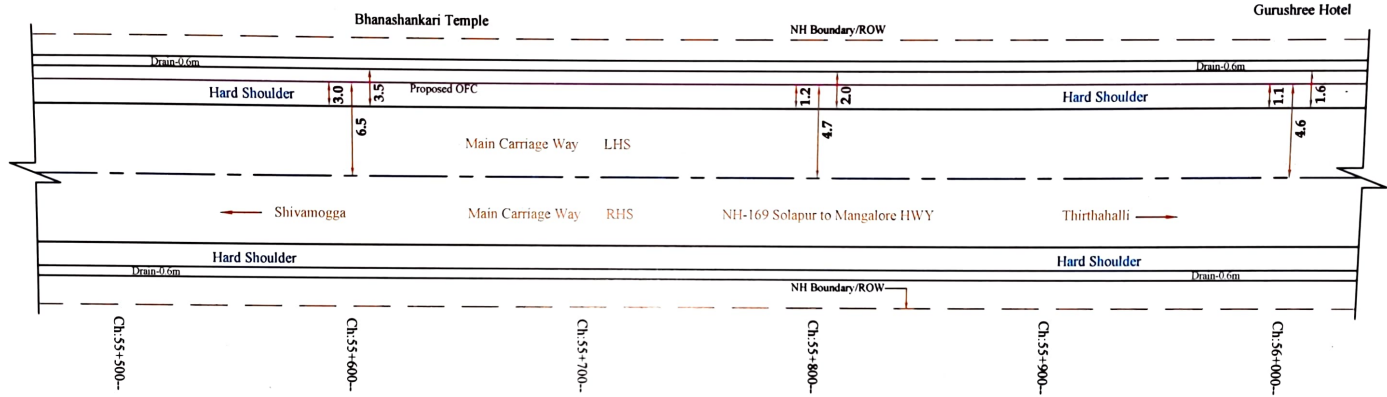
TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 54+500 to 55+500
Section Length: 1000m
Sheet No:12 of 15

Note: All Dimensions are in meter

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS	
---	NH-4 Boundary/ROW Line
---	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli

NH-169 Chainage: 43+400 to 58+400

Section Chainage: 55+500 to 56+500

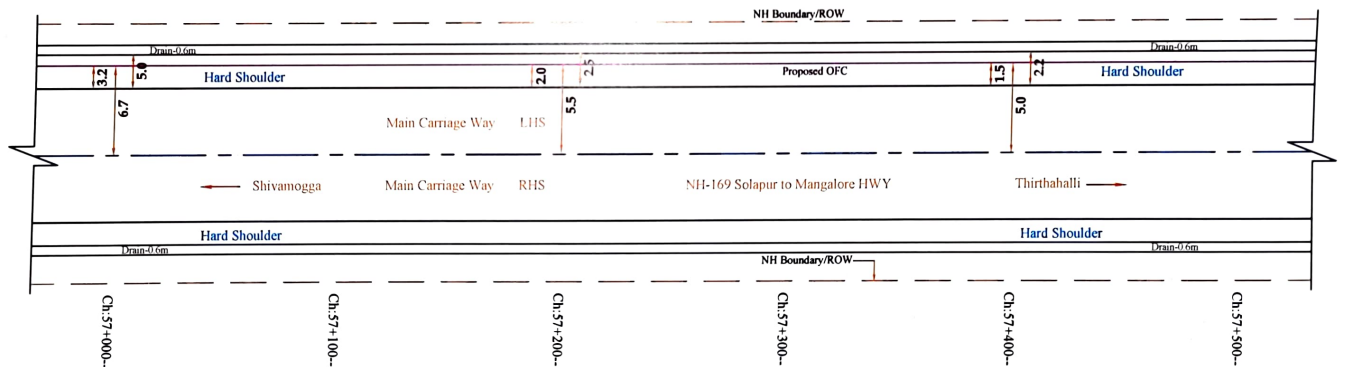
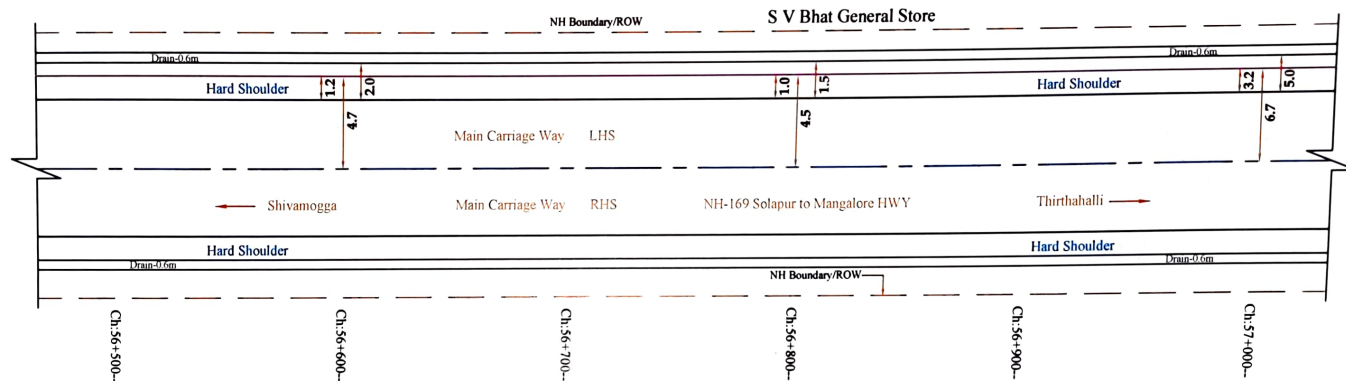
Section Length: 1000m

Sheet No:13 of 15

Note: All Dimensions are in meter

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
---	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



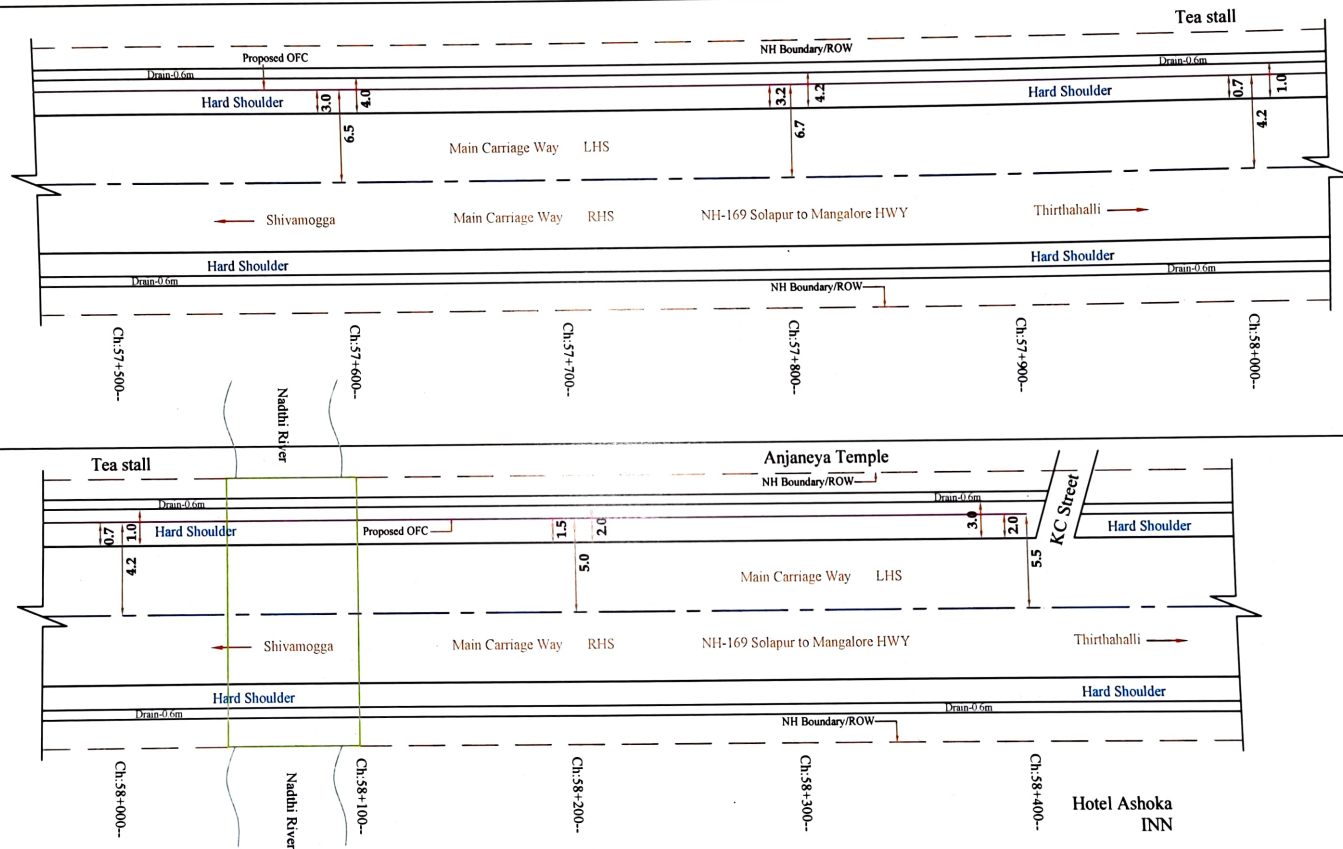
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 56+500 to 57+500
Section Length: 1000m
Sheet No:14 of 15

Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

SLD FOR PROPOSED OFC CABLE- SHIVAMOGGA-MALUR-THIRTHAHALLI SECTION OF NH 169 FROM Km.43+400 to Km.58+400



LEGENDS

---	NH-4 Boundary/ROW Line
----	Median Center
---	Proposed OFC Cable
---	BSNL OFC Fiber Line
---	Bridge/Culvert



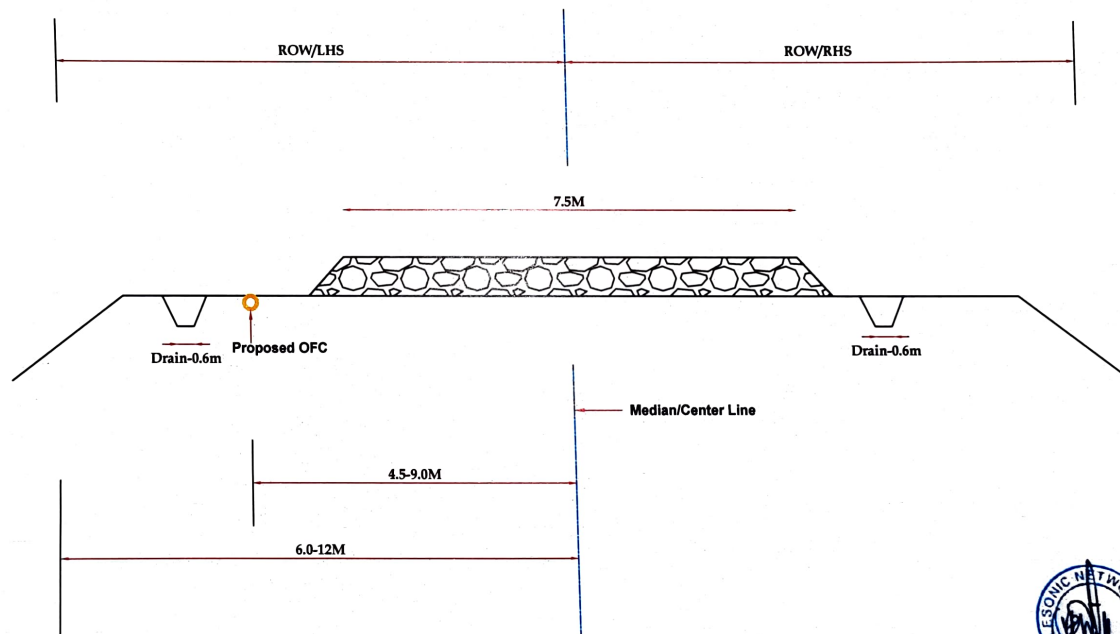
Note: All Dimensions are in meter

TELESONIC NETWORKS LIMITED

Route Name: Shivamogga-Malur-Thirthahalli
NH-169 Chainage: 43+400 to 58+400
Section Chainage: 57+500 to 58+400
Section Length: 900m
Sheet No:15 of 15

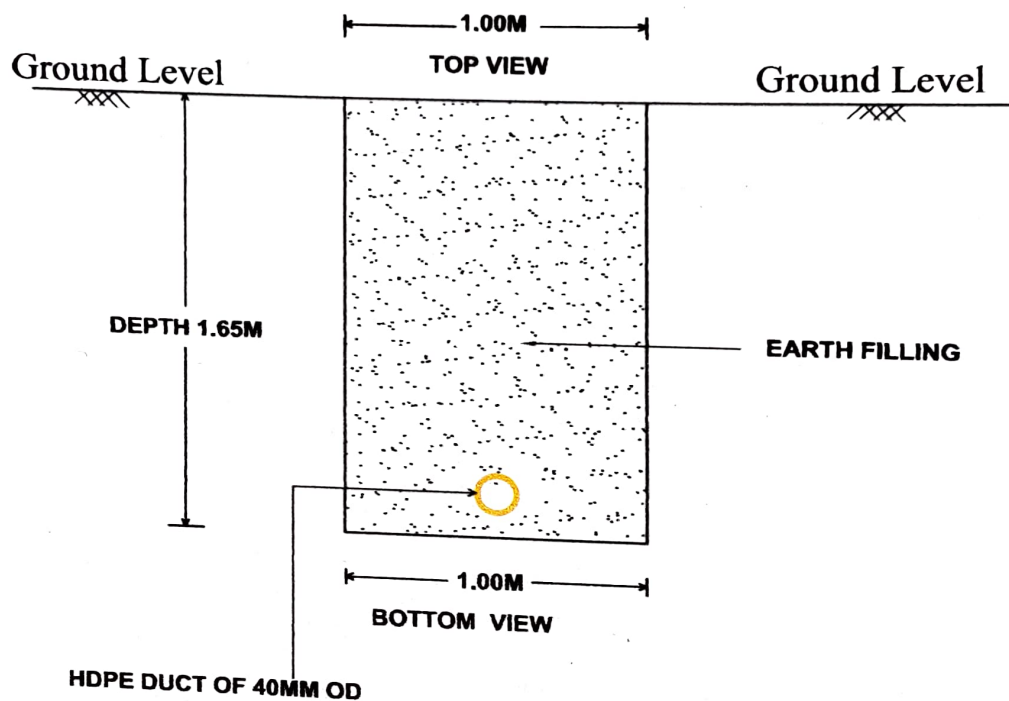
Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

CROSS SECTION OF ROAD AT CH:KM. 43+400 to KM. 58+400

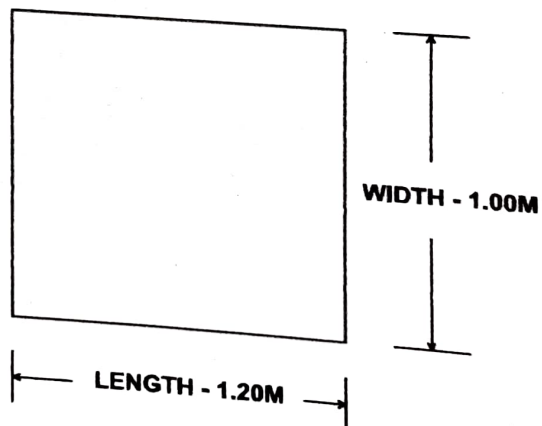


Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

TYPICAL CROSS SECTION OF HDD METHOD FOR OFC LAYING



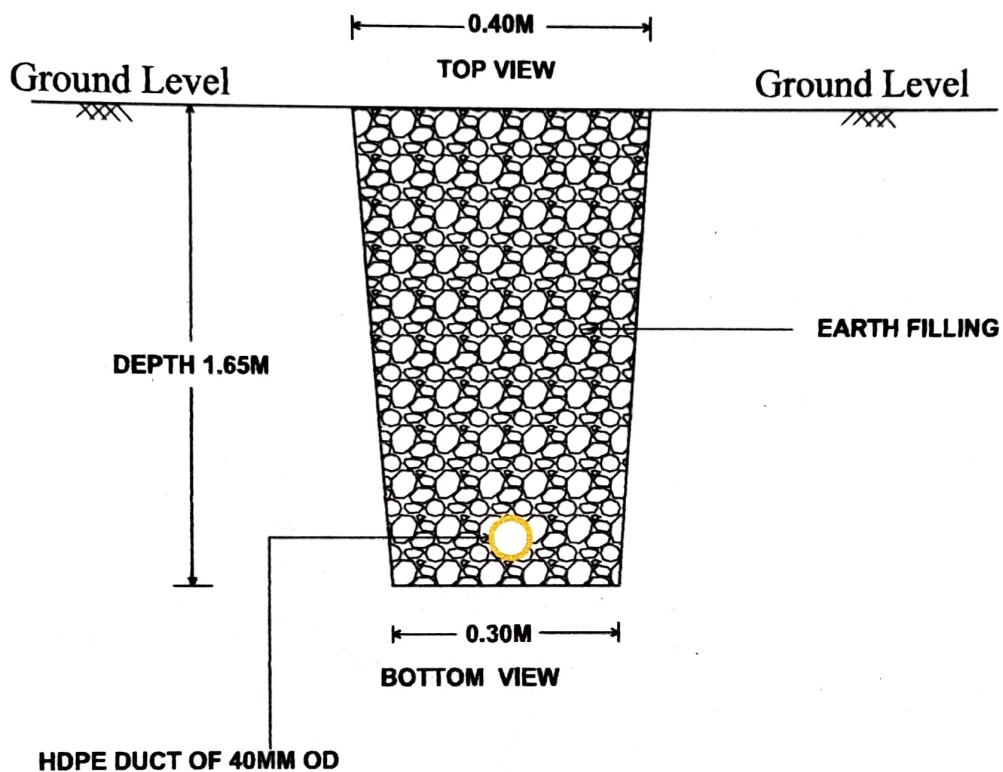
TOP VIEW OF HDD ENTRY & EXIT PITS



Signature AE-2

Assistant Executive Engineer
National Highway

TYPICAL CROSS SECTION OF OPEN TRENCH METHOD FOR OFC LAYING

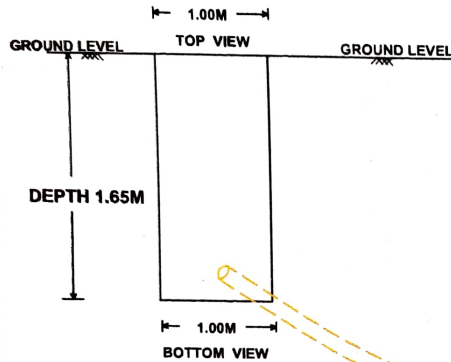


Tejaswini
AER

SAB
Assistant Executive Engineer
National Highway Special Sub-Division
Shivamogga

CROSS SECTION OF HDD PATH

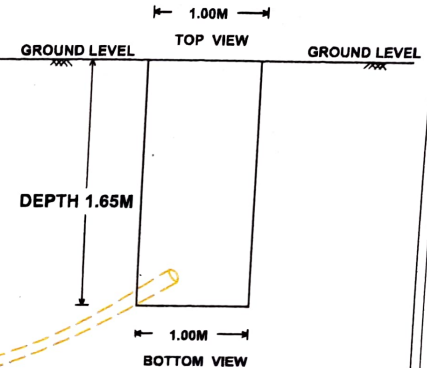
CROSS SECTION OF HDD ENTRY & EXIT PITS



GROUND LEVEL

DEPTH 2.50M

CROSS SECTION OF HDD ENTRY & EXIT PITS



HDPE DUCT OF 40MM OD

SHOT LENGTH - 100M

CROSS SECTION OF HORIZONTAL DIRECTIONAL DRILLING

The HDD has been carried out in built up areas and for all the major/asphalted road crossing in the en route. HDD test pits of dimension 1m X 1m X 1.65m (Length x width x depth) will be taken on either side of the road crossings/ on the asphalted road in built up areas. Then an Horizontal bore of 150/280mm diameter has been drilled from one pit to the other by HDD Machine. Then the PLB pipes are inserted and pulled in the HDD bore path connecting to the test pits. Finally the test pits were closed after coupling the PLB pipes on either side. Some of the HDD test pits will be converted in to RCC/FRP manhole chamber at every 250m to 400m length appxly. The RCC/FRP chamber dimension is 1.2m x 1.0m x 1.2m (Length x width x depth) for further maintenance of the OFC route.



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