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14 CONCLUSIONS AND RECOMMENDATIONS

Some of the Important aspects which require the attention of the authority have been presented below for consideration, along with the recommendations of the consultants.

14.1 RIGHT OF WAY


The right of way required is 30m - 45m for normal section for the design TCS proposed as per IRC SP: 87-2019.

14.2 EXISTING TRAFFIC

Based on the Traffic Surveys conducted along the project corridor in the state of Assam (in the year 2023), Existing Traffic along the Section-III of project corridor is as follows:

Table 14-1: Existing Traffic along the section-III of Project Corridor

Survey Location No.	1
Name of Location	Near Fakirabazar
Two-Wheeler	1852
Three-Wheeler (Passenger)	2632
Car	618
Car (Y)	2
Tata Magic	1
RTC Bus	0
Private Bus	0
Minibus	0
School/ College Bus	0
2 Axle	27
3 Axle	65
Multi Axle	5
HEM	3
LCV	28
Mini LCV	148
Tractor	0
Tractor with Trailer	2

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Survey Location No.		1
Name of Location		Near Fakirabazar
Three-Wheeler (Goods)		19
Bicycle		611
Cycle Rickshaw		37
Animal Drawn		1
Government Exempted		0
		2
		4
Others		0
Vehicles	Motorized	5408
	Non-Motorized	649
	Total Traffic	6057
	Tollable Traffic	770
PCUs	Motorized	4727
	Non-Motorized	388
	Total Traffic	5115
	Tollable Traffic	1124

14.3 PAVEMENT TYPE


Flexible Pavement is recommended for main carriageway along the Section-III of Project Highway. It is recommended to construct following pavement option i.e., (BC+DBM+AIL+CTB+CTSB)

Table 14-2: Pavement Composition

a) Flexible Pavement Composition for Main Carriageway:

Section	Eff. CBR (%)	MSA for 20 yrs design life	Bitumen Grade	Crust Composition (mm)					
				BC	DBM	AIL	CTB	CTSB	Total
Section-III	8	50	VG-40	40	60	100	100	200	500

Note: As per circular by MoRTH, "RW/NH – 35072/05/2018 – S&R(P&B) "dated August 24, 2018, only VG-40 Grade of Bitumen shall be used for the National Highways.

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b) Flexible Pavement Composition for Service Road:

S.No	Pavement composition	Design thickness for 8 MSA (mm)
1	Bituminous Concrete (BC)	40
2	Dense Bituminous Macadam (DBM)	80
3	Wet Mix Macadam (WMM)	250
4	Granular Sub-Base (GSB)	200
Total (mm)		570

14.4 EXISTING/PROPOSED STRUCTURES

The list of existing/proposed list of structures are mentioned below:

Table 14-3: Summary of Proposed/Existing Structures

S. No	Type of Structure	Existing No's	Proposed No's	Total
1	Box UP	0	1	1
2	SVUP	0	2	2
3	LVUP	0	3	3
4	VUP	0	2	2
5	ROB	0	1	1
6	MIB	1	8	9
7	MJB	0	3	3
8	Box Culvert	SC=4	29	33
Total		5	49	54

14.5 MODE OF EXECUTION

The proposed mode of execution for the project corridor is Hybrid Annuity Mode (HAM)



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**CONCLUSIONS
&
RECOMMENDATIONS**