Sheet classification : restricted

2000 AB	tional ronautical poratory	Documentation Sheet	Document Classification Restricted	
Title		vsis of GFRP single cell n and modified GFRP eck.	Document No.PD/ST/900 Date of issue:15.2.90	
Author(s)	: S.C.Josh: M.V.V.Mu	L, M.Subba Rao, rthy	Contents Figures: 14 Pages : 14 Tables : 3	
Division	: Structur	al Sciences Division	No. of copies: 30	
External participation	:		NAL Project No. ST-9-002/ST-0-128	
Sponsor	R and D Pune	Estt. (Engrs.), DRDO,	Sponsor's Project No.	
Approval	: Head, St	Head, Structures Division Devision		
Remarks	• •		3 N	
Keywords		SINGLE CELL GFRP TEST BEAM, GFRP BRIDGE DECK, FINITE ELEMENT ANALYSIS.		
Abstract	Element inforced GFRP bri carried in prob behaviou loading	This document contains the details of the Finite Element Analysis of a single cell Glass Fibre Re- inforced Plastic (GFRP) test beam and the modified GFRP bridge deck. These analytical studies have been carried out to know the magnitude of the stress in probable failure zones and to study the overall behaviour of structure under full scale static loading. A general purpose FEM package NASTRAN, has been used for analysis.		