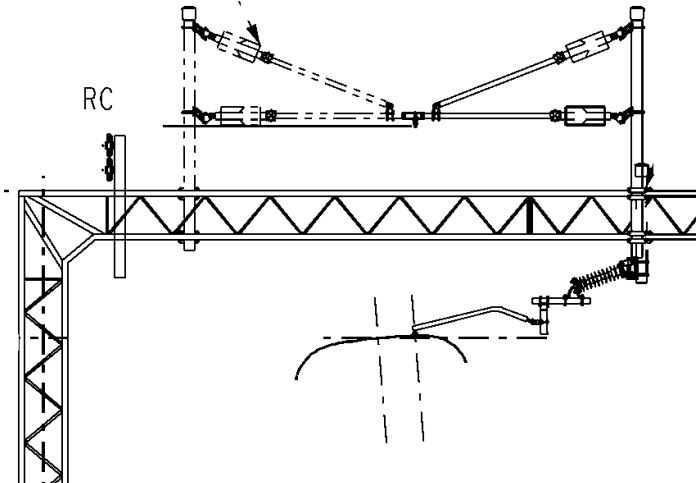


Ref:	NR/L2/ELP/27009/MOD C20
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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET	
20	CATENARY WEAR AT PULLEY WHEEL SUPPORTS
COMPONENT	Catenary wire suspension at pulley supports.
PROBLEM	Mk1 tensioned catenary directly supported in pulley wheels subject to up and down movement with train passages suffers from flattening of the strands. This causes stranding and eventual de-wirement. This is a particular problem close to mid point anchors.
ACTION REQUIRED	<p>The following options are available. These are not necessarily in order of preference.</p> <ol style="list-style-type: none"> 1. Install an inverted cantilever catenary support; 2. Install a stainless steel bridle arrangement; 3. Where close to a mid-point anchor, replace pulley support with a clamp or clamp and link support. <p>Drawing 1/994/003 also shows a pulley bridle arrangement fitted on the Lea Valley line.</p> <p>This campaign change can be delivered together with campaign change 10 when fitting inverted cantilever catenary supports.</p> 

Reference Information	
Ellipse standard job number	13020
Ellipse standard job description	Resolve pulley wheel catenary wear risk
Category	Catenary
Priority	Yes
Types of OLE affected	Mk1; Mk2
Original equipment dates	1958 - 1970

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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

20

CATENARY WEAR AT PULLEY WHEEL SUPPORTS

LEA VALLEY ONLY

REVISION	DATE	INITIALS	DESCRIPTION OF CHANGE
8	18.11.67	F.M.S.	Refaced.
7	14.11.67	D.B.	
6	15.11.67	C.H.S.M.	

BRITISH RAILWAYS, EASTERN REGION
C.M.E.E. (ELECTRICAL ENGR.) LIVERPOOL ST.

TITLE
LEA VALLEY ELECTRIFICATION
PULLEY BRIDLE ASSEMBLY
(MARK I & MARK III
CONVERGING.)

N.T.S.

DRAWING
No. LV/1/994/3/A3
H/4404.

PARTS LIST

REF. NO.	ITEM	SIZE	CAT. No.	No. OFF.
994/3/1	Crosby Clips		12/71/2	6
	S.S. Bridle Wire		148/53/28	1
	P.G. Clamp		125/3/2	1
	Jumper Cable	19/7/71mm.	148/70/8	1
	Lug		W11/63	1

50/97