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MCX 0000 - 0068 NOT USED







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PROF	ORMA SETTING OUT SHEET Refer to Drawing MCX 0069	9 Sheet 3 of 7	SURVEY SKETCH SHEET	Refer to Drav	wing MCX 0069 Sheet 3 o	of 7
	Signed Name Date /_ / Signed Name Date /_ /	Site No Marker Ref No		Name Name		o lo
1.	Select 'offset setting out point' (Point B) in hardshoulder 200 metres in front of cantilever base from which top of cantilever base plinth may be seen.		Area provided for site sketches	5		
2.	Number of running lanes ⊕ Lane widths (usually 3.65m) (Estimated/measured/from drawing)*© Distance from edge of running lanes to Point B (⊕/2 × ©) + ③ = Y Calculate 'OFFSET' = 550 × (Y - 3.605) ÷ 200	m m m				
3.	With theodolite at Point B sight on centre of holding down arrangement (half distance between studs at point 90' (±5') to front face of plinth). Mark the line of sight from Point B on the top of the plinth 550mm either side of the centre of the holding down					
4.	Mark on top of plinth the alignment for the signal which is the line of sight from Point B rotated anticlockwise by the 'OFFSET' at a point 550mm from the centre of the holding down arrangement. Set marks on baseplate of cantilever to this alignment.					
5.	Take level E on top of plinth. Add height to centre of signal. = Level of centre of signal. ④	_ <u>5.800</u> m m				
6.	Take level F of surface at Point B. Crossfall of carriageway (Estimated/measured/from drawing)*[%] Y © Crossfall (+ = fall towards hardshoulder). Add height of driver's eye. = Level of driver's eye. ⑤	m m m	· · ·			
7.	Angular tilt of signal forwards Tan⁻¹((④ −⑤)÷ 200).⑥	deg.				
8.	Offset in vertical in one metre height of signal. Tan (© x 1000).	mm				
	Notes :- Crossfall of carriageway 2.5% normal & minimum, 7% maximum. * Delete as appropriate.	li l			F HA ADDRESS REPLACED BY HIGHWAY CONSTRUCTION DETAIL E ADDRESS & LOGO REVISED DOPYRIGHT NOTICE REMOVED D DRG TITLE REVISED REVISION AREAS MARKED C UPDATED TO SUIT MK3 & EMS MOTORWAY SIGNALS FROM MK2 B NEW DRAWING BLANK REVISION AREAS MARKED	DWE AW KRL 1 DWE
	(REV. P) This drawing was generated on	computer and must not b	 e manually updated		A INITIAL ISSUE PREVIOUS DRG. NO. MCX 0585 ISSUE AMENDMENTS	P.M 14 APPD
HIGHWA	AY CONSTRUCTION DETAILS TIME INSTALLATION DRAWING MOTORWAY SIGNALS MOTORWAY SIGNALS MCANTILEVER SIGN SET	G NMCS 2 IK3 AND MESSAGE	SIGNS	ORIGINAL DRAWING SIZE: 297 x 420 ALL DIMENSIONS ARE IN MM TOLERANCE ± UNLESS OTHERWISE STATED THIRD ANGLE PROJECTION DO NOT SCALE		SC. N SHT 4





	ORMA SETTING OUT SHEET Refer to Drawing MCX 0069		SURVEY DATA S						MCX 0069		
Surveyed Checked		Site No	Surveyed Signed Checked Signed								e No
Checked		Marker Ref No								Marker R	et No _
1.	Select 'offset setting out point' (Point B) in hardshoulder 200		RING APPROPRIATE DIMENSION OR IN Gantry Type Standard SERO			OR INSERT			1	0	
	metres in front of gantry base from which top of gantry base plinth may be seen.		Gantry Type No of Span			Twin		Standard			Others
2.	Number of running lages (Girder Type				UB	Single UB Truss			+
2.	Number of running lanes ⊕ Lane widths (usually 3.65m) (Estimated/measured/from drawing) * ⊅ Distance from edge of running lanes to Point B (⊕/2x ⊅) + ⊕ = Y	m m m	Span Length(m)	23/25/27/ 29/31		23/25	1 i	21		31/33/ 35	
			0/A Girder Depth(mm)	1412	1712	1412		618	1412		
3.	Set up theodolite at Point C on gantry immediately behind intended position of signal. Measure distance on centre of instrument to front face of gantry longitudinal member.	mm	Outstands of Channels/UB Flange(mm		76.2				6.2 89		
			Gantry Post Size (mm x mm)	300x300	350x350	300x300	300×2004	00x200 3	50x350 398x35	56	
4.	Establish Point D on a transverse member at far end of gantry ④ mm from front face of gantry longitudinal member.		Fixed Sign Height(mm)		Total	Length of Sign(m)	Fixed		X(m) (see note	1)	
5.	Sight on Point B , take face left reading to Point D Sight on Point B , take face right reading to Point D Addition of the two readings θ ₁ = Average of the two readings ⑤	· · · · ·			TOP MEMBERS OF SIGN STIFFENERS						
6.	$\theta_2 = 90 - \oplus + Tan^{-1}(Y - 200)$	• • •			Ť					1	•
7.	$X = 3800$ Sin θ_1	mm mm	Stiffeners position i relation to the centre of signal	n line			-				
8.	Take level at Point E in hardshoulder below gantry. Measure Z from surface of hard shoulder to underside of gantry. Add height to centre of sign. = Level of centre of sign. ©	m m m m		NO	BOTTOM MEMBERS NOTE : All dimensions to filled in and member sizes/type added to sketc						
9.	Take level F of surface at Point B . Crossfall of carriageway (Estimated/measured/from drawing)*[%] Y @ Crossfall (+ = fall towards hardshoulder). Add height of driver's eye. = Level of driver's eye. Ø	m _ <u>1.050</u> m m	Type & Positions o any other obstructions relation to signal supp	in							
10.	Angular tilt of sign forwards Tan⁻¹((�−♂)÷200). �	deg.	Any other Comment								
11.	Offset in vertical in one metre height of signal. Tan (🕲 ×1000).	mm	Note 1 : X(m)=Dist	ince of oute	er edge of	fixed sign	to centre			GO REVISE	
	Notes : Crossfall of carriageway 2.5% normal & minimum, 7% maximum. * Delete as appropriate.	۔۔۔۔۔۔ ک	6					D F C N B	ADDRESS & LOC COPYRIGHT NOTIC DRG TITLE REVISE REVISION AREAS IPDATED TO SUIT MOTORWAY SIGNAL NEW DRAWIN INITIAL 13	ED MARKED F MK3 LS FROM N IG BLANK	K2 KRI
	(REV. P)		۱ ۱	HA ADDRE	SS REPLACE	DBY	DWE 02.06		INITIAL IS PREVIOUS DRG. N AMENDMI		86 PM
	This drawing was generated on	computer and must not be	manually updated	I HIGHWAY CC	INSTRUCTION	DETAILS	DWC 02.00	13306	AMENUM	EN13	

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