Appendix 7.19: Bat Assessment of Viaduct

BATS IN BRIDGES RECORDING FORM



LOCATION	Hampstead Heath	STRUCTURE NAME	Viaduct
DATE OF SURVEY	28.03.14	PHOTOGRAPH	Attached
SURVEYORS	R. Chilcott	WEATHER CONDITIONS	Overcast, 90% cloud cover, 15°C

SUMMARY OF FINDINGS: ACTION FOR ENGINEERS

Tick appropriate box

	non appropriate is est
KNOWN ROOST (contact ecologist before any work; licence may be needed)	
SURVEY BEFORE WORKS (contact ecologist to arrange this) Please make a note of special equipment required!	X
RETAIN CREVICES IN DIAGRAM (Contact Ecologist if crevices are affected)	Х
PROCEED WITH WORKS (Survey before works not required)	
AVOID WORKS DURING BIRD NESTING SEASON	

Dynamic risk assessment: update to written Risk Assessment needed? Y / N

MAKE SURE YOU CHECK THE FOLLOWING (please tick when checked)

Crevices in stonework	Gaps between	Widening	Drainage	Stone or	Expansion joints and
where mortar is missing	slabs or beams	joints X	holes X	ceramic	constructional joints in
or in damaged areas X	in spans X			drains X	concrete bridges X

STRUCTURE DETAILS (*Tick / circle choice*)

TYPE	overbridge	underbridge	culvert	footbridge	subway	<u>viaduct</u>	tunnel	service tunnel
OVER	fast watercourse*	slow watercour	se* dry watercourse		ourse	footpath		track
OVER	road	canal	railway	railway disused railway		Other Pond		
Are there any drain pipes / Y / <u>N</u> conduits on the abutments?		lf	Yes, please describe	Height (fro Diameter Condition	of pipe:	,		
Has an endoscopic inspection has been carried out of the drain pipe/conduit?			Y / <u>N</u>					

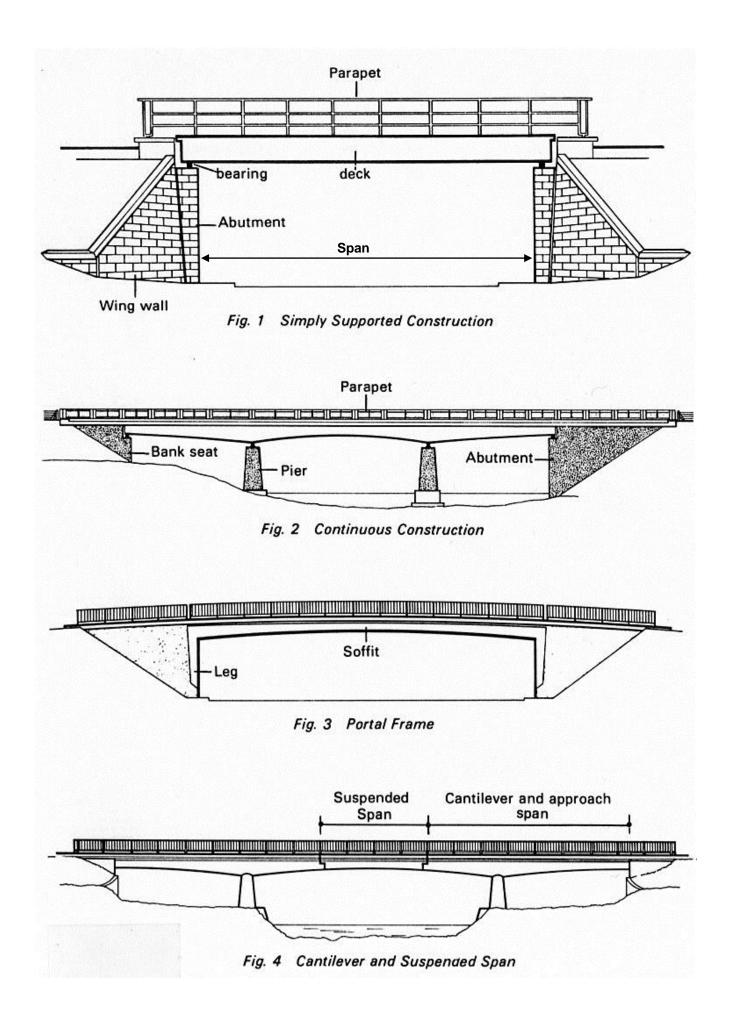
* Please write if width of watercourse < or > 3 m

	concrete	wood	steel	brick	stone	ot	her
SPAN				Х			
ABUTMENT					Х		
CONSTRUCTION (circle choice)	arch	cast	beam	slab	tunnel	pipe	other

HABITAT (within approx. 100m. radius of structure. Tick where applicable, write **D** where dominant).

broadleaved trees/woodland	D	arable	
conifer trees/woodland		hedges	
scrub		walls	
amenity grassland	Х	buildings	
improved grassland		urban	
unimproved grassland		allotments/gardens	
rough grassland	Х	bog/wet ground	
fast-flowing water		slow-flowing water/ponds/lake	

INSPECTION NOTES							
Equipment used	Equipment used during inspection: Boat, torches, binocular, camera						
Was a thorough	inspection carried	d out: <u>Y</u> / N					
If No, state rease	on and/or limitatio	ns (partial access, too h	igh to fully in	spect features etc) =	=		
The inspection was missing bricks clo		a boat at the ground level	without the ab	ility to inspect the inc	lividual crevices and		
Structure type:	Arch (d	choose from Figs 1-12 as	shown below)				
Structure appea	rs in good conditi	on: <u>Y</u> /N (circle as	appropriate)				
Structure shows	s signs of disrepai	r (missing mortar / cracl	ks etc): <u>Y</u> / I	N (circle as appro	opriate)		
		of missing brickwork unde r to be substantial enough			all areas of mortar		
Ivy cover: Y	/ N (circle as a	opropriate)					
If Yes, rate cove	rage (whereby 0%	= no cover / 100% full c	over) = 10% re	estricted to the abutm	nents		
BAT POTENT	IAL DETAILS (cir	rcle choice)					
0 = no potential	<u>1 = crevices</u>	s possibly of use to bats	2 = ideal crev	vices 3= evid	dence of bats		
	(any crevice	greater than 100mm deep	o and sheltered	from the elements)			
EVIDENCE de	tails (circle choice	2)					
droppings	bats visible	staining/scratches/worn	stonework	bats audible	bat-fly pupae		
ANY FURTHER	R COMMENTS (e	.g. evidence of non-bat	species such	as birds etc) / sket	ch		
ANY FURTHER COMMENTS (e.g. evidence of non-bat species such as birds etc) / sketch Some small crevices on the stonework on the abutments however, these are open to the elements and not considered suitable to support roosting bats. Gaps in the brickworks were recorded under the second arch from the east and the central arch with a single gap recorded in the brickwork under the western most arch.							



Parapet

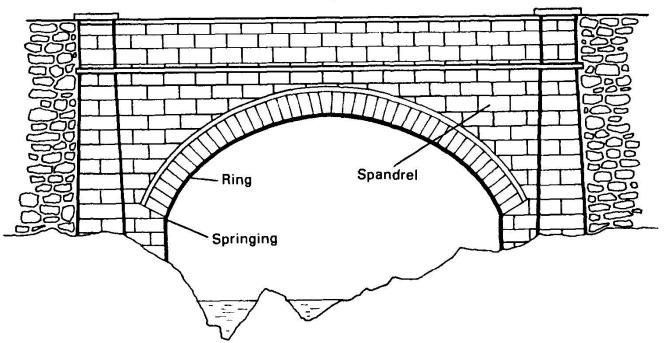
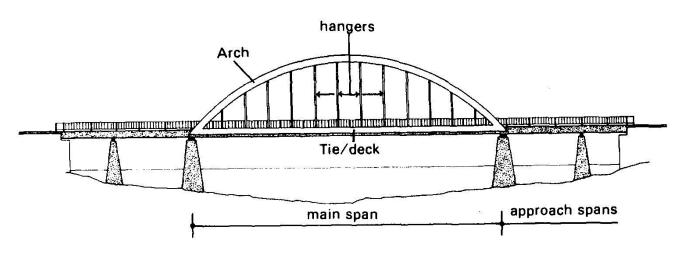


Fig. 5 Arch





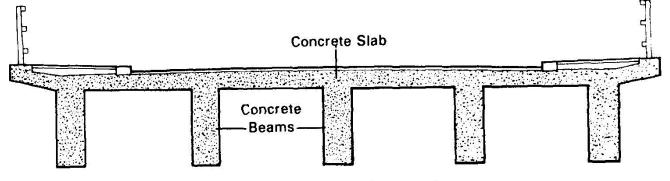


Fig. 7 Beam and Slab Construction

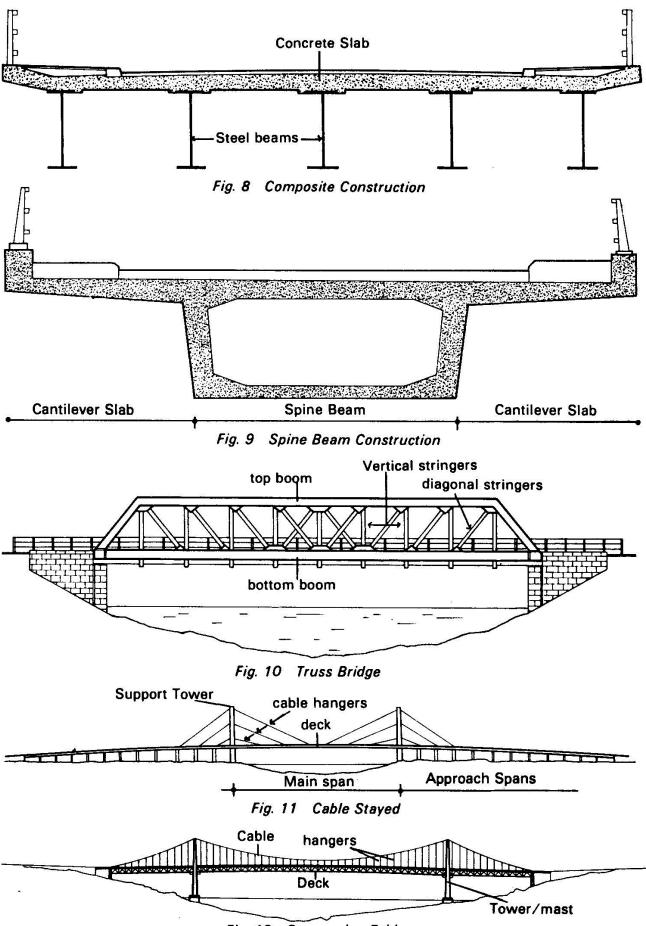


Fig. 12 Suspension Bridge