Condition Details - Superstructu	re											
Stone Slab / RC Multicell Box / I Girder / PSC Girder / PSC Box G												
	The Nur	The Number of Spans Displayed should be equal to "Total No.of Spans" as in "General Information sheet"										
	S1	S2	S3	S4	S5	S	S	S				
Deck Slab												
Deck Surface												
Number of Locations where ponding of water occurs over deck slab												
No. and Locations of the spots where the concrete has been discoloured												
Condition of Joint between Deck Slab and Girders both Longitudinal and Transverse												
Existence of Proper drip course at the edge of the slab												
Soundness												
Hit the Slab by hammer at a rate of 10	0 blow in 1s	qm area. He	ear the soun	d carefully								
etallic sound appears in a span												
ollow Sound Appears Note down the number of locations, so	und where	the hollow s	ound appear	rs in a span)								
Spalling / Dampness												
palling of Concrete												
Number of Spalls												
Area of each spalling in sqm												
Depth of each spalling in mm												
Number of Locations in a span												

racking						
racking						Yes /
ature of Crack						Text
ength of the Cracks (m)						Integ
Vidth of the Cracks (mm)						Integ
otal Area of the Surface where he Crack appear in %age						Integ
Section of super-structure where he crack appeared						Text
i.e. at side, at bottom etc.)					_	
Corrosion of Exposed Reinforce	ment					
Reinf Exposed and Corroded						Yes /
Number of Location where the Reinf. is exposed						Integ
ocation of the Corroded Reinf.						Text
Percentage of Corrosion Measured with respect to bar dia						Integ
Pit Corrosion						Yes /
Deflection						
No. Deflection Visible						Yes /
Moderate Deflection (in mm)						Decir
excessive Deflection (in mm)						Decir

Addl. Details for PSC Slabs				
Anchorage				
Anchorage Portion for Pre- stressing Damaged				
Number of Damaged Anchor in a Span				
Description of Damage				
Degree of Corrosion of the Anchorage end				
Description of Damage of Ducts				
Degree of corrosion in Pre- stressing wires				
Element inspected but not measured				
Condition Rating				
Overall Remarks				

Condition Details - Superstructu	ure							
n RC Girder, PSC Girder, RC Bo	x Girder, l	PSC Box G	irder, Bala	anced Can	tilever, O	thers		
	The Nur	nber of Sp	•	ayed shou eneral Info		ıal to "Tota sheet"	al No.of S	pans" as
	S1	S2	S3	S4	S5	S	S	S
ain Girders			•	•		•		
oundness								
lit the Slab by hammer at a rate of 1	0 blow in 1s	qm area. He	ear the soun	d carefully	ſ	1		
etallic sound appears in a span								
ollow Sound Appears								
ote down the number of locations, so	ound where	the hollow so	l ound annear	s in a snan)				
·	Jana Where	ine monow so	sana appear	s III a spairy				
palling / Dampness		T	T	1	T	T		
palling of Concrete								
umber of Spalls								
6 1 11 11								
ea of each spalling in sqm			<u> </u>			<u> </u>		
epth of each spalling in mm								
umber of Locations in a span								
ected								
acking		T	T	1	T	T		
acking								
ature of Crack								
ngth of the Cracks (m)								
dth of the Cracks (mm)								
tal Area of the Surface where e Crack appear in %age								
ction of super-structure where c crack appeared . at side, at bottom etc.)								

Corrosion of Exposed Reinforcer	ment				
einf Exposed and Corroded					Yes /
lumber of Location where the leinf. is exposed					Integ
ocation of the Corroded Reinf.					Text
ercentage of Corrosion Measured vith respect to bar dia					Integ
it Corrosion					Yes /
Peflection					
o. Deflection Visible					Yes /
loderate Deflection (in mm)					Decir
xcessive Deflection (in mm)					Decir
nchorage Portion for Pre- tressing Damaged lumber of Damaged Anchor in a					Yes /
lumber of Damaged Anchor in a pan					Integ
escription of Damage					Text
egree of Corrosion of the nchorage end					Text
escription of Damage of Ducts					Text
egree of corrosion in Pre- tressing wires					Text
lement inspected but not					
neasured					

Condition Details - Superstructu	ıre							
n RC Girder, PSC Girder, RC Bo	x Girder, I	PSC Box G	irder, Bala	anced Can	tilever, C	thers		
	The Nur	nber of Sp		ayed shou eneral Info		ıal to "Tota sheet"	al No.of S	ipans" as
	S1	S2	S3	S4	S5	S	S	S
oss Girders			•	•	•	•		·
oundness								
Hit the Slab by hammer at a rate of 1	0 blow in 1s	qm area. He	ear the soun	d carefully		_		
etallic sound appears in a span								
ollow Sound Appears								
Note down the number of locations, so	ound where	the hollow s	ound appear	rs in a span)				
palling / Dampness								
paining / Damphess					1	1		
palling of Concrete								
umber of Spalls								
rea of each spalling in sqm								
ea or each spanning in squi					1			
epth of each spalling in mm								
umber of Locations in a span fected								
racking			<u>l</u>		l			
				<u> </u>	1	T		
acking								
ature of Crack								
ength of the Cracks (m)								
. ,					<u> </u>	l I		
idth of the Cracks (mm)								
otal Area of the Surface where e Crack appear in %age								
ection of super-structure where e crack appeared e. at side, at bottom etc.)								

Corrosion of Exposed Reinforce	ment				
Reinf Exposed and Corroded					Yes / No
Number of Location where the Reinf. is exposed					Integer
Location of the Corroded Reinf.					Text
Percentage of Corrosion Measured with respect to bar dia					Integer
Pit Corrosion					Yes / No
Deflection					
No. Deflection Visible					Yes / No
Moderate Deflection (in mm)					Decima
Excessive Deflection (in mm)					Decima
Element inspected but not measured					
Condition Rating					
Overall Remarks					

Condition Details - Superstructu	re								
For Steel Structures - Bow String	g Arch, S	teel Girde	r, Steel Tr	uss, Othei	'S				
	The Nur	nber of Sp		ayed shou eneral Info			al No.of S	Spans" as	
	S1	S2	S3	S4	S5	S	S	S	
Type of Connection - Bolt / Rivet / Welding									Bolt / Rivet / Weldi
Condition of Connection									Good/Fair/poor/Ba
Condn. of Steel Members									Good/Fair/poor/Ba
Condition of Paint									Good/Fair/poor/Ba
Dimension of Steel Member (L x B x Thick) (m)									Decial
Corrosion									Good/Fair/poor/Ba
Corrosion of Exposed Reinforcer	nent								
Reinf Exposed and Corroded									Yes / No
Number of Location where the Reinf. is exposed									Integer
Location of the Corroded Reinf.									Text
Percentage of Corrosion Measured with respect to bar dia									Integer
Pit Corrosion									Yes / No
Deflection									
No. Deflection Visible									Yes / No
Moderate Deflection (in mm)									Decimal
Excessive Deflection (in mm)									Decimal
Element inspected but not measured									
Condition Rating									

For Masonry Arch					
Number & location of loose joints					Integer
Number of joints where loss of joint material identified					Integer
Number & location of loose or shifted stones or bricks					Integer
Condition of plaster over masonry Abutment					Good/Fair/poor/Bad
Location & number of splitting, cracking & damaged stone or brick masonry					Text
Detail of vegetation growth at joints					Yes / No
Element inspected but not measured					
Condition Rating					
Overall Remarks					

		to "To sheet", e	otal No.of x if the <u>"</u>	Spans" as Total No.o	nyed shou s in "Gene of Spans" i displayed	ral Inforn is shown a	nation as 9 then		
	A1	P1	P2	Р3	P	P	P	A2	
Elastomeric Bearings		1	T .	I	I	I	1 1		
Compression bulging of sides									Yes /
Surface Cracking									Yes /
Radial Cracking in the bulges									Yes /
Excessive Shear deformation									Yes /
Element inspected but not measured									
Condition Rating									
Metallic Bearings									
Any deformity in the shape of bearing									Yes /
Anchor bolts damaged									Yes /
Free Movement of the bearing									Yes /
Existence of foreign material such as debris, chemical									Yes /
Rollers and rockers sitting in their full length and in proper position									Yes /
Number of locations where nuts are loose									Integ
Element inspected but not measured									

Bearing Pedestals					
Cracks in any component of bearing pedestal					Yes / No
Nature of Crack					Text
Width of the Cracks (mm)					Integer
Number of Cracks					Integer
Element inspected but not measured					
Condition Rating					
Seismic Restrainer Concrete Restrainer					
Cracks in the seismic restrainer					Yes / No
Spalling, delamination of concrete					Yes / No
Exposed, corroded reinforcement					Yes / No
Any part is broken					Yes / No
Steel Restrainer					
Sign of dislodgement, movement, local buckling					Yes / No
Paint damage					Yes / No
Loose nuts, bolts, cracked weld etc.					Yes / No
Element inspected but not measured					
Condition Rating					
Overall Remarks					

Detailed Format

Condition Details - Foundation and Substructure: Abutment										
	A1	A2								
Dirtwall / Abut. Cap										
Deformation in Dirtwall / Abut. Cap			Yes / No							
Cracks in Dirtwall / Abut. Cap			Yes / No							
Radial Cracking in the bulges			Yes / No							
Excessive Shear deformation			Yes / No							
Element inspected but not										
measured										
Condition Rating										
Substructure										
Cracking			Yes / No							
Location of cracks			Text							
Nature of cracks			Text							
Length of the Cracks (m)			Integer							
Width of the Cracks (mm)			Integer							
Percentage of visual surface cracked			Integer							
Blockage of Weep Holes			Yes / No							
For Concrete Abutment										
Spalling										
Spalling of Concrete			Yes / No							
Number of spalls Location			Integer							
Total Area of spalling (sqm)			Integer							

Reinforcement			
Reinf. Exposed and Corroded			Yes / No
Details of deterioration and corrosion of exposed reinforcement			Text
For Masonry Abutment			
Number & location of loose joints			Integer
Number of joints where loss of joint material identified			Integer
No.& location of loose or shifted stones / bricks			Integer
Condition of plaster over masonry Abutment			Good/Fair/poor/Bad
Location & number of splitting, cracking & damaged stone or brick masonry			Text
Detail of vegetation growth at joints			Yes / No
Element inspected but not measured			
Condition Rating			
Foundation and Settlement		_	
Foundation Scour			Yes / No
Settlement of Foundation			Yes / No
Observed settlement	ture of antiloment at foundation location	an (am)	Integer
(i.e. overall or differential) dimension and na	ture or settlement at roundation location	on (cm)	
Observed dislodgement and damage of river bed protection work at foundation location			Yes / No
Impact of Floating Bodies on the abutment)			Yes / No
Element inspected but not measured			
Condition Rating			
Condition Rating			

Condition Details - Foundation	and Substi	ructure: P	ier						
	No.of S	The Number of Piers Displayed should be Less than 1 to "Total No.of Spans" as in "General Information sheet", ex if the "Total No.of Spans" is shown as 9 then the Number of piers displayed should be 8							
	P1	P2	Р3	P	P	P	P		
Pier Cap									
Cracking									
Cracking									
Width of Crack (mm)									
Total Length of Crack (mm)									
Percentage of visual surface cracked									
Spalling									
Spalling of Concrete									
Total area of spalling (sqm)									
Average depth of spalling (mm)					-				
Reinforcement							, _		
Reinf Exposed and Corroded									
Element inspected but not measured									
Condition Rating									

Substructure				
Cracking				Yes / No
Location of cracks				Text
Nature of cracks				Text
Length of the Cracks (m)				Integer
Width of the Cracks (mm)				Integer
Percentage of visual surface cracked				Integer
For Concrete Pier				
Spalling				
Spalling of Concrete				Yes / No
Number of spalls Location				Text
Total Area of spalling (sqm)				Integer
Reinforcement				
Reinf. Exposed and Corroded				Yes / No
Details of deterioration and corrosion of exposed reinforcement				Text
For Masonry Pier				
Number & location of loose joints				Integer
Number of joints where loss of joint material identified				Integer
No.& location of loose or shifted stones / bricks				Integer
Condition of plaster over masonry Pier				Good/Fair/poor/Bad
Location & number of splitting ,cracking & damaged stone or brick masonry				Text
Detail of vegetation growth at joints				Yes / No
Element inspected but not measured				
Condition Rating				

Foundation and Settlement							
Foundation Scour							Yes / No
Settlement of Foundation							Yes / No
Observed settlement							Integer
(i.e. overall or differential) dimension and n	ature of settle	ment at found	dation location	(cm)	•	•	
Observed dislodgement and damage of river bed protection work at foundation location							Yes / No
Impact of Floating Bodies on the abutment)							Yes / No
Element inspected but not measured							
Condition Rating							
Overall Remarks							

Condition Details - Foundation a	and Substructure: Returnwa	ll / Wingwall	
	At - A1	At - A2	
Substructure			
Partial Collapse of Return / Wing Wall			Yes / No
Cracking			Yes / No
Location of cracks			Text
Nature of cracks			Text
Length of the Cracks (m)			Integer
Width of the Cracks (mm)			Integer
Percentage of visual surface cracked			Integer
For Concrete Returnwall / Wing	wall		
Spalling			
Spalling of Concrete			Yes / No
Number of spalls Location			Integer
Total Area of spalling (sqm)			Integer
Reinforcement			
Reinf. Exposed and Corroded			Yes / No
Details of deterioration and corrosion of exposed reinforcement			Text

For Masonry Returnwall / Wingv	wall		
Number & location of loose joints			Integer
Number of joints where loss of joint material identified			Integer
No.& location of loose or shifted stones / bricks			Text
Condition of plaster over masonry Wing Wall / Returns			Good/Fair/poor/Bad
Location & number of splitting, cracking & damaged stone or brick masonry			Text
Detail of vegetation growth at joints			Text
Element inspected but not measured			
Condition Rating			
Foundation and Settlement			
Foundation Scour			Yes / No
Settlement of Foundation			Yes / No
Observed settlement			Integer
(i.e. overall or differential) dimension and na	ture of settlement at foundation location	on (cm)	
Impact of Floating Bodies on the Returnwall			Yes / No
Partial Collapse of Returnwall / Wing Wall			
Element inspected but not measured			
Condition Rating			
Overall Remarks			

		The Number of Piers Displayed should be <u>Less than 1</u> to "Total No.of Spans" as in "General Information sheet", ex if the <u>"Total No.of Spans" is shown as 9</u> then the <u>Number of piers displayed should be 8</u>								
	A1	P1	P2	Р3	P	P	P	A2		
Expansion Joint - Damaged									Yes	
Condition Rating										
Approach Slab - Damaged									Yes ,	
Condition Rating		_								
	The Nun	nber of Sp			ıld be equ ormation s		al No.of Sp	pans" as		
	S1	S2	S3	S4	S5	S	S	S		
Drainage Spouts									Inte	
Condition Rating										
Footpath									Inte	
Condition Rating										
Railing / Crash Barrier /									Inte	
Parapet - Len. Damaged (m) Condition Rating										
<u> </u>										
Wearing Coat Cracking (sqm)						l			Inte	
Depression (sqm)									Inte	
Pot Holes (sqm)									Inte	
Condition Rating										
Service Lines - Damage to Structure									Inte	
Structure				_			1			

Detailed Format

Condition Details - Pipe Structure		
For Pipes		
Condition of Pipes		Good/Fair/poor/Bad
Condition Rating		
For Headwall		
Partial Collapse of Headwall		Yes / No
For Concrete Headwall		
Spalling		
Spalling of Concrete		Yes / No
Number of spalls Location		Integer
Total Area of spalling (sqm)		Integer
Reinforcement	·	
Reinf. Exposed and Corroded		Yes / No
Details of deterioration and corrosion of exposed reinforcement		Text
For Masonry Headwall		
Number & location of loose joints		Integer
Number of joints where loss of joint material identified		Integer
No.& location of loose or shifted stones / bricks		Text
Condition of plaster over masonry Headwall		Good/Fair/poor/Bac
Location & number of splitting, cracking & damaged stone or brick masonry		Text
Detail of vegetation growth at joints		Text
Element inspected but not measured		
Condition Rating		
Overall Remarks		

Detailed Format

Condition Details - Protecti	on Works	
Condition Rating		
Side Slope Pitching		Good/Fair/poor/Bad
Floor Protection		Good/Fair/poor/Bad
Blockages in Waterway		Good/Fair/poor/Bad
Overall Remarks		