Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	001	Component	Superstructure	Photo No.	002	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

Photo No.	003	Component	Superstructure	Photo No.	004	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

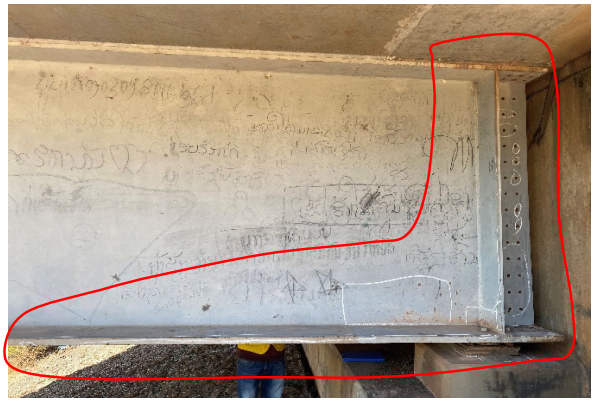


Photo No.	005	Component	Superstructure	Photo No.	006	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	007	Component	Superstructure	Photo No.	008	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

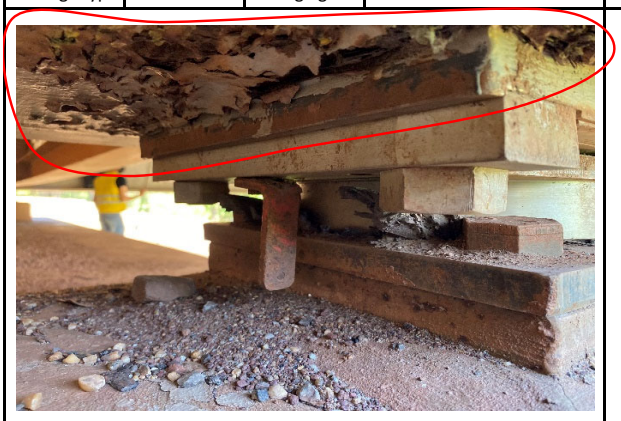


Photo No.	009	Component	Superstructure	Photo No.	010	Component	Superstructure
Element name	Others (Vertical Bracing)			Element name	Others (Vertical Bracing)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

Photo No.	011	Component	Superstructure	Photo No.	012	Component	Superstructure
Element name	Others (Sub Girder)			Element name	Others (Sub Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	013	Component	Superstructure	Photo No.	014	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

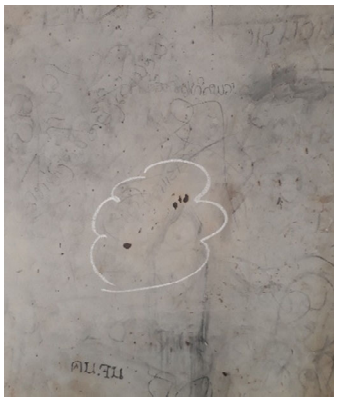
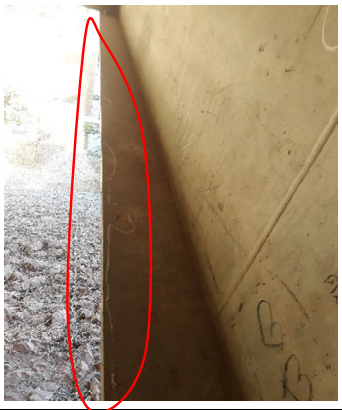

				

Photo No.	015	Component	Superstructure	Photo No.	016	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B

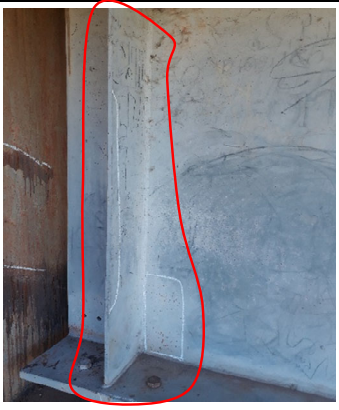



Photo No.	017	Component	Superstructure	Photo No.	018	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B
							

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	019	Component	Superstructure	Photo No.	020	Component	Superstructure
Element name	Main structure (Girder)			Element name	Main structure (Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B
							
Photo No.	021	Component	Superstructure	Photo No.	022	Component	Superstructure
Element name	Others (Vertical Bracing)			Element name	Others (Vertical Bracing)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B
							
Photo No.	023	Component	Superstructure	Photo No.	024	Component	Superstructure
Element name	Others (Sub Girder)			Element name	Others (Sub Girder)		
Damage type	01	Damage grade	B	Damage type	01	Damage grade	B
							

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	025	Component	Superstructure	Photo No.	026	Component	Superstructure
Element name	Others (Vertical Bracing)			Element name	Others (Vertical Bracing)		
Damage type	02	Damage grade	E	Damage type	02	Damage grade	E

Photo No.	027	Component	Superstructure	Photo No.	028	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D

Photo No.	029	Component	Superstructure	Photo No.	030	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	031	Component	Superstructure	Photo No.	032	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D
							
Photo No.	033	Component	Superstructure	Photo No.	034	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D
							
Photo No.	035	Component	Superstructure	Photo No.	036	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D
							

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	037	Component	Superstructure	Photo No.	038	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D

Photo No.	039	Component	Superstructure	Photo No.	040	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D

Photo No.	041	Component	Superstructure	Photo No.	042	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	D	Damage type	11	Damage grade	D

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	043	Component	Substructure	Photo No.	044	Component	Superstructure
Element name	Approach Slab			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	13	Damage grade	C

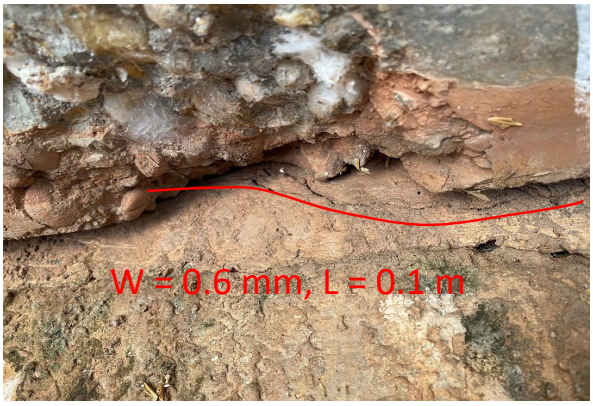


Photo No.	045	Component	Superstructure	Photo No.	046	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C

Photo No.	047	Component	Superstructure	Photo No.	048	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	049	Component	Superstructure	Photo No.	050	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	20	Damage grade	E	Damage type	20	Damage grade	E

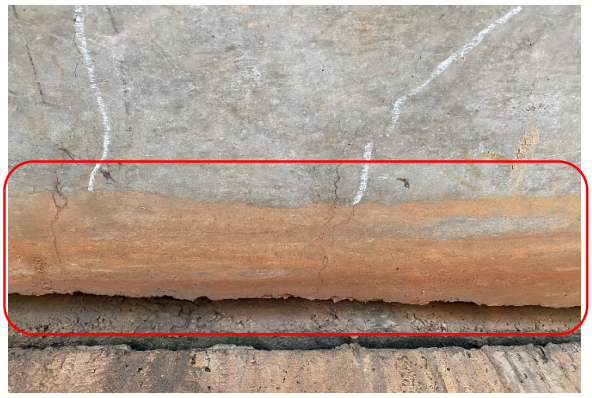


Photo No.	051	Component	Superstructure	Photo No.	052	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	08	Damage grade	D	Damage type	08	Damage grade	D

Photo No.	053	Component	Superstructure	Photo No.	054	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	08	Damage grade	D	Damage type	08	Damage grade	D

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	055	Component	Bearing	Photo No.	056	Component	Bearing
Element name	Bearing Body			Element name	Bearing Body		
Damage type	01	Damage grade	C	Damage type	05	Damage grade	C

Photo No.	057	Component	Bearing	Photo No.	058	Component	Bearing
Element name	Mortar (Grout Pad)			Element name	Bearing Body		
Damage type	06	Damage grade	E	Damage type	17	Damage grade	E

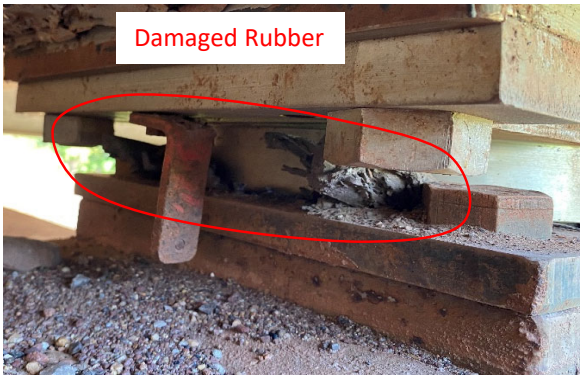
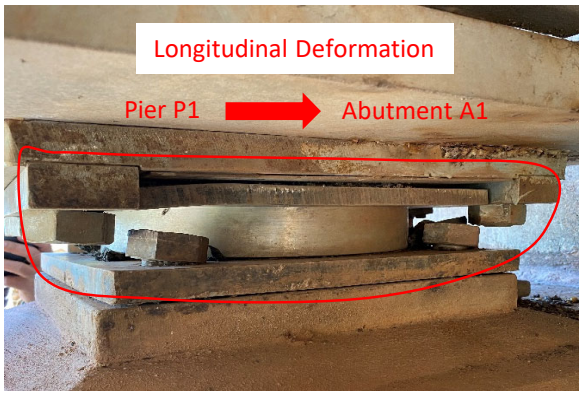


Photo No.	059	Component	Bearing	Photo No.	060	Component	Bearing
Element name	Bearing Anchor Bolt			Element name	Bearing Body		
Damage type	23	Damage grade	E	Damage type	01	Damage grade	C



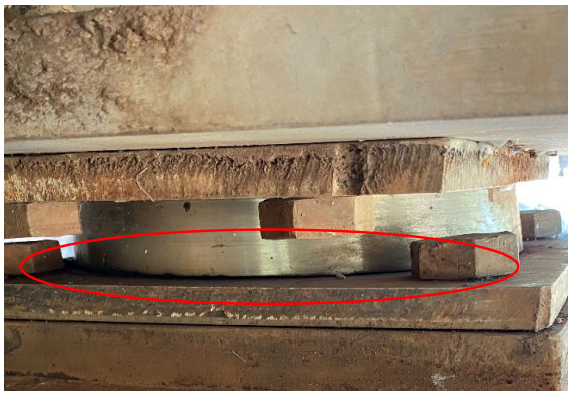
Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	061	Component	Bearing	Photo No.	062	Component	Bearing
Element name	Bearing Body			Element name	Mortar (Grout Pad)		
Damage type	05	Damage grade	C	Damage type	06	Damage grade	B

Photo No.	063	Component	Bearing	Photo No.	064	Component	Bearing
Element name	Mortar (Grout Pad)			Element name	Mortar (Grout Pad)		
Damage type	06	Damage grade	B	Damage type	07	Damage grade	C

Photo No.	065	Component	Bearing	Photo No.	066	Component	Bearing
Element name	Bearing Body			Element name	Bearing Anchor Bolt		
Damage type	17	Damage grade	E	Damage type	23	Damage grade	C



Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	067	Component	Substructure	Photo No.	068	Component	Substructure
Element name	Abutment A1			Element name	Abutment A1		
Damage type	20	Damage grade	E	Damage type	24	Damage grade	E

Photo No.	069	Component	Bearing	Photo No.	070	Component	Bearing
Element name	Bearing Body			Element name	Bearing Body		
Damage type	01	Damage grade	C	Damage type	05	Damage grade	C

Photo No.	071	Component	Bearing	Photo No.	072	Component	Bearing
Element name	Bearing Body			Element name	Bearing Body		
Damage type	17	Damage grade	E	Damage type	01	Damage grade	C

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	073	Component	Bearing	Photo No.	074	Component	Bearing
Element name	Bearing Body			Element name	Bearing Body		
Damage type	05	Damage grade	C	Damage type	17	Damage grade	E

Photo No.	075	Component	Bearing	Photo No.	076	Component	Substructure
Element name	Bearing Anchor Bolt			Element name	Abutment A2		
Damage type	03	Damage grade	E	Damage type	20	Damage grade	E

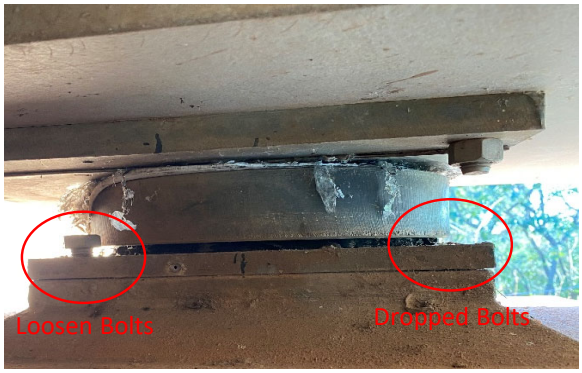


Photo No.	077	Component	Substructure	Photo No.	078	Component	Substructure
Element name	Abutment A2			Element name	Abutment A2, Wing Wall		
Damage type	24	Damage grade	E	Damage type	06	Damage grade	B

W=0.15mm, L=0.60m

W=0.10mm, L=0.20m

W=0.15mm, L=0.45m

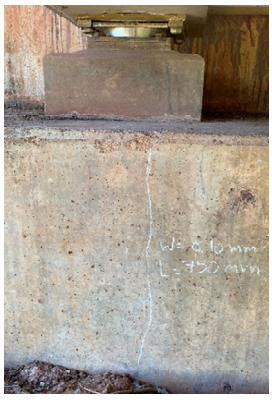
Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	079	Component	Substructure	Photo No.	080	Component	Substructure
Element name	Abutment A2, Parapet Wall			Element name	Abutment A2, Parapet Wall		
Damage type	06	Damage grade	D	Damage type	06	Damage grade	D

Photo No.	081	Component	Substructure	Photo No.	082	Component	Substructure
Element name	Abutment A2, Parapet Wall			Element name	Abutment A2, Parapet Wall		
Damage type	06	Damage grade	D	Damage type	06	Damage grade	D

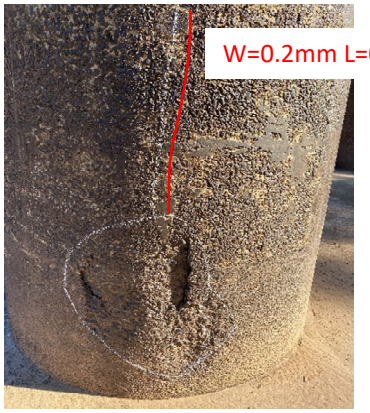
Photo No.	083	Component	Substructure	Photo No.	084	Component	Substructure
Element name	Abutment A2, Parapet Wall			Element name	Abutment A2, Parapet Wall		
Damage type	06	Damage grade	D	Damage type	06	Damage grade	D



Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	085	Component	Substructure	Photo No.	086	Component	Substructure
Element name	Pier, P1			Element name	Pier, P1		
Damage type	06	Damage grade	C	Damage type	06	Damage grade	E



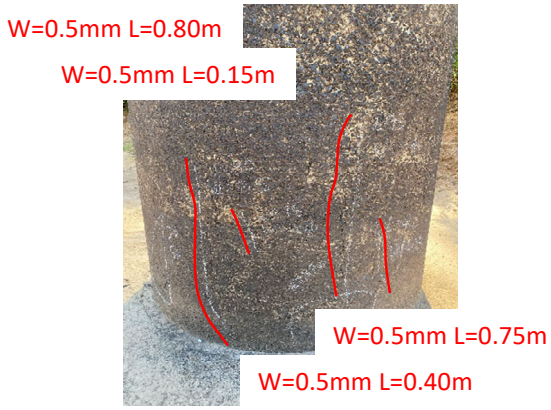


Photo No.	087	Component	Substructure	Photo No.	088	Component	Substructure
Element name	Foundation, P1			Element name	Pier, P1		
Damage type	06	Damage grade	E	Damage type	26	Damage grade	C

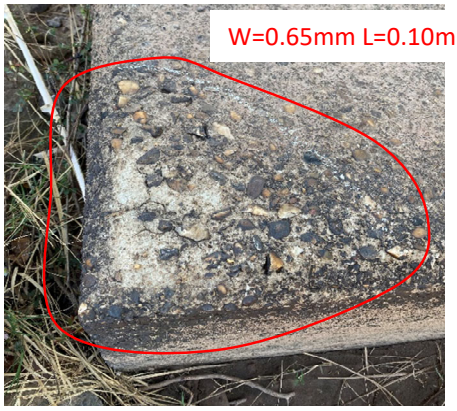


Photo No.	089	Component	Bearing	Photo No.	090	Component	Bearing
Element name	Bearing Body			Element name	Bearing Body		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Damage Photo Data

		Inspection date	22-02-22
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	091	Component	Substructure	Photo No.	092	Component	Substructure
Element name	Foundation, P2			Element name	Pier, P2		
Damage type	06	Damage grade	D	Damage type	26	Damage grade	C

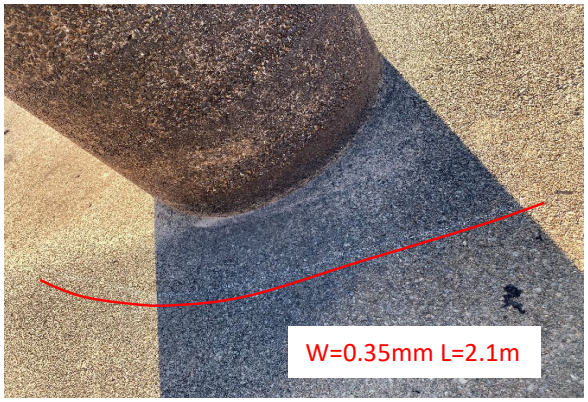


Photo No.	093	Component	Substructure	Photo No.	094	Component	Substructure
Element name	Pier, P2			Element name	Pier, P2		
Damage type	26	Damage grade	C	Damage type	26	Damage grade	C

Photo No.	095	Component	Bearing	Photo No.	096	Component	Bearing
Element name	Bearing Body			Element name	Bearing Body		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	097	Component	On the road	Photo No.	098	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Photo No.	099	Component	On the road	Photo No.	100	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Photo No.	101	Component	On the road	Photo No.	102	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	103	Component	On the road	Photo No.	104	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Photo No.	105	Component	On the road	Photo No.	106	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Photo No.	107	Component	On the road	Photo No.	108	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	109	Component	On the road	Photo No.	110	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Photo No.	111	Component	On the road	Photo No.	112	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Photo No.	113	Component	On the road	Photo No.	114	Component	On the road
Element name	Railling			Element name	Railling		
Damage type	01	Damage grade	C	Damage type	01	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	115	Component	On the road	Photo No.	116	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E




Photo No.	117	Component	On the road	Photo No.	118	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E



Photo No.	119	Component	On the road	Photo No.	120	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E




Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	121	Component	On the road	Photo No.	122	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E




Photo No.	123	Component	On the road	Photo No.	124	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E

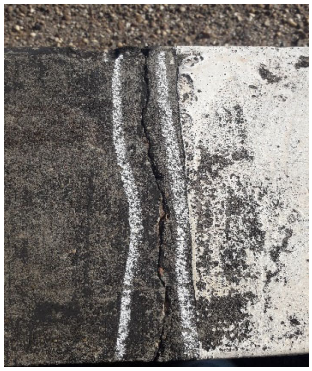



Photo No.	125	Component	On the road	Photo No.	126	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E




Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

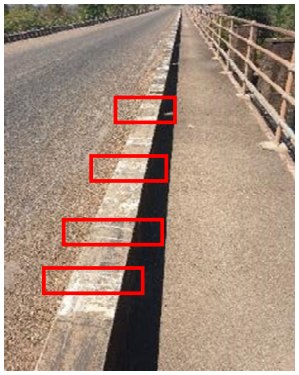
Photo No.	127	Component	On the road	Photo No.	128	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E

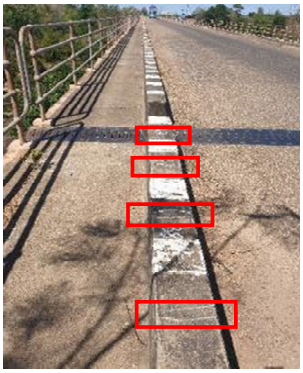



Photo No.	129	Component	On the road	Photo No.	130	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E




Photo No.	131	Component	On the road	Photo No.	132	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	06	Damage grade	E	Damage type	06	Damage grade	E



Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	133	Component	On the road	Photo No.	134	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C




Photo No.	135	Component	On the road	Photo No.	136	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C




Photo No.	137	Component	On the road	Photo No.	138	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C



Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	139	Component	On the road	Photo No.	140	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C

Photo No.	141	Component	On the road	Photo No.	142	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C

Photo No.	143	Component	On the road	Photo No.	144	Component	On the road
Element name	Wheel Guard			Element name	Wheel Guard		
Damage type	07	Damage grade	C	Damage type	07	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	145	Component	Superstructure	Photo No.	146	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E

Photo No.	147	Component	Superstructure	Photo No.	148	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E

Photo No.	149	Component	Superstructure	Photo No.	150	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	151	Component	Superstructure	Photo No.	152	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E

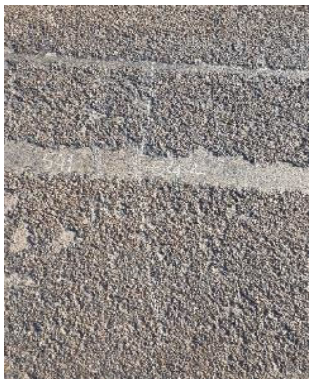



Photo No.	153	Component	Superstructure	Photo No.	154	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E




Photo No.	155	Component	Superstructure	Photo No.	156	Component	Superstructure
Element name	Deck			Element name	Deck		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E






Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	157	Component	Walkway	Photo No.	158	Component	Walkway
Element name	Slab			Element name	Slab		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E



Photo No.	159	Component	Walkway	Photo No.	160	Component	Walkway
Element name	Slab			Element name	Slab		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E



Photo No.	161	Component	Walkway	Photo No.	162	Component	Walkway
Element name	Slab			Element name	Slab		
Damage type	11	Damage grade	E	Damage type	11	Damage grade	E


Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	163	Component	Road surface	Photo No.	164	Component	Road surface
Element name	Expansion Joint			Element name	Expansion Joint		
Damage type	14	Damage grade	E	Damage type	14	Damage grade	E

Photo No.	165	Component	Road surface	Photo No.	166	Component	Road surface
Element name	Expansion Joint			Element name	Expansion Joint		
Damage type	14	Damage grade	E	Damage type	14	Damage grade	C

Photo No.	167	Component	Road surface	Photo No.	168	Component	Road surface
Element name	Expansion Joint			Element name	Expansion Joint		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	169	Component	Road surface	Photo No.	170	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C




Photo No.	171	Component	Road surface	Photo No.	172	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

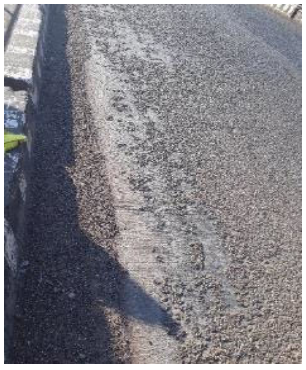



Photo No.	173	Component	Road surface	Photo No.	174	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C


Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	175	Component	Road surface	Photo No.	176	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

Photo No.	177	Component	Road surface	Photo No.	178	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

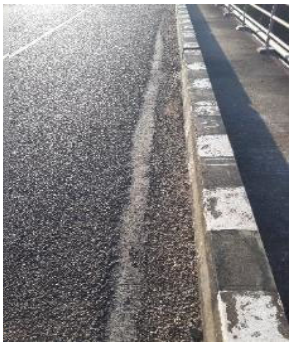
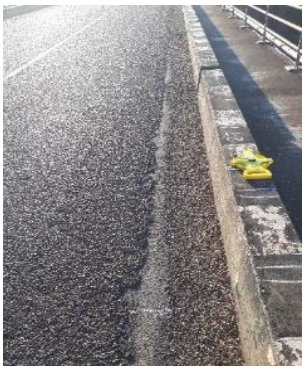


Photo No.	179	Component	Road surface	Photo No.	180	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C



Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	181	Component	Road surface	Photo No.	182	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

Photo No.	183	Component	Road surface	Photo No.	184	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

Photo No.	185	Component	Road surface	Photo No.	186	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	C

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	187	Component	Road surface	Photo No.	188	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	C	Damage type	14	Damage grade	E
				 			
Photo No.	189	Component	Road surface	Photo No.	190	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	E	Damage type	14	Damage grade	E
							
Photo No.	191	Component	Road surface	Photo No.	192	Component	Road surface
Element name	Pavement			Element name	Pavement		
Damage type	14	Damage grade	E	Damage type	14	Damage grade	E
							

Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	193	Component	Others	Photo No.	194	Component	Others
Element name	Approach Slab			Element name	Approach Slab		
Damage type	17	Damage grade	E	Damage type	17	Damage grade	E




Photo No.	195	Component	Others	Photo No.	196	Component	Others
Element name	Approach Slab			Element name	Approach Slab		
Damage type	17	Damage grade	E	Damage type	17	Damage grade	E




Photo No.	197	Component	Others	Photo No.	198	Component	Others
Element name	Approach Slab			Element name	Approach Slab		
Damage type	17	Damage grade	E	Damage type	17	Damage grade	E




Damage Photo Data

		Inspection date	2/22/2022
Road No.	13S	Bridge location (Chainage)	540 Km + 200 m
Road name	NR No.13 South	Bridge location (Province)	Savannakhet
Bridge ID/No.	Unknown	Coordinates (Latitude)	16° 00' 10.17"
Bridge name	Xe Bangnouan	Coordinates (Longitudu)	105° 28' 45.19"

Photo No.	199	Component	Others	Photo No.	200	Component	Others
Element name	Approach Slab			Element name	Approach Slab		
Damage type	17	Damage grade	E	Damage type	17	Damage grade	E

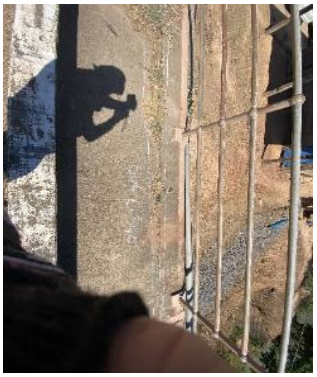




Photo No.	201	Component	Others	Photo No.	202	Component	Road surface
Element name	Approach Slab			Element name	Expansion Joint		
Damage type	17	Damage grade	E	Damage type	24	Damage grade	E


Photo No.	203	Component	Road surface	Photo No.	204	Component	Road surface
Element name	Expansion Joint			Element name	Expansion Joint		
Damage type	24	Damage grade	E	Damage type	17	Damage grade	E


Appendix 2: Xe Bangnouan Bridge

Appendix 2-d: Quantity of Damage

Summary of damages for Xe Bangnouan Bridge

Item	Type of damages	Unit	Quatity	Remark
1	**Component:** Superstructure			
1.1	**Element:** Deck; **Material:** Reinforce Concrete			
1.1.1	07: Peeling/Exposure of Rebar	m^2	0.1020	
1.1.2	08: Leaching/Free lime	m^2	4.64	
1.1.3	11: Cracks on Slab (Bottom View)			
1.1.3.1	width ≤ 0.2mm	m	3998.8	
1.1.3.2	0.2mm < width < 1.0mm	m	58.0	
1.1.3.3	width ≥ 1.0mm	m	0.0	None
1.1.4	11: Cracks on Slab (Top View)			
1.1.4.1	width ≤ 0.2mm	m	8.00	
1.1.1.2	0.2mm < width < 1.0mm	m	152.36	
1.1.1.3	width ≥ 1.0mm	m	0.0	None
1.2	**Element:** Girder; **Material:** Steel			
1.2.1	01: Corrosion	m^2	6.4026	
1.2.2	02: Cracks	Nos	2	
1.2.3	04: Fracture	Nos	0.00	None
2	**Component:** Substructure			
2.1	**Element:** Body; **Material:** Reinforce Concrete			
2.1.1	06: Cracks			
2.1.1.1	width ≤ 0.2mm	m	22.18	
2.1.1.2	0.2mm < width < 1.0mm	m	7.30	
2.1.1.3	width ≥ 1.0mm	m	0.00	None
2.1.2	07: Peeling/Exposure of Rebar	m^2	0.85	
2.1.3	08: Leaching/Free lime	m^2	0.00	None
2.2	**Element:** Foundation; **Material:** Reinforce Concrete			
2.2.1	26: Scouring	m^2	122.52	Pier P1 & P2
3	**Component:** Bearing			
3.1	**Element:** Bearing body			
3.1.1	Severely corroded	m^2	0.00	None. But, Slightly corroded were found in every bearing.
3.1.2	Some parts are missing	Nos	1	Anchor bolt is missing at A2/G2
3.1.3	Rubber is damaged	m^3	N/A	Not available to measure. Anyway, We found that rubber inside steel cylinder pot are damaged in every bearing.
3.1.4	Rubber is hardened	m^3	0.00	None
3.1.5	Lost	Nos	0	None
3.2	**Element:** Shoe seat, Mortar			
3.2.1	Sediment accumulate	Nos	2	At Abutment A1 and A2
3.2.2	Water is pooled	Nos	0	None
3.2.3	Mortar is cracked and partially lost	Nos	4	At Abutment A1
4	**Component:** On the Road			
4.1	**Element:** Railing; **Material:** Steel Pipe			
4.1.1	01: Corrosion	m^2	142.39	
4.1.2	04: Fracture	Nos	0	None
4.1.3	23: Deformation /Loss	Nos	0	None
4.2	**Element:** Wheel Guard; **Material:** Reinforce Concrete			
4.2.1	06: Cracks			
4.2.1.1	width ≤ 0.2mm	m	0.40	
4.2.1.2	0.2mm < width < 1.0mm	m	50.30	
4.2.1.3	width ≥ 1.0mm	m	1.00	
4.2.2	07: Peeling/Exposure of Rebar	m^2	0.90	

Summary of damages for Xe Bangnouan Bridge

Item	Type of damages	Unit	Quatity	Remark
5	**Component:** Road Surface			
5.1	**Element:** Pavement			
5.1.1	14: Rough Road Surface			
5.1.1.1	Potholes depth 5-15mm	m^2	180.93	
5.1.1.2	Bumps	m^2	0.00	None
5.1.2	15: Abnormal Surface (Pavement Cracks)	m^2	0.00	None
5.2	**Element:** Expansion Joint			
5.2.1	14: Rough Road Surface (Step)	m	20.00	At Abutment A1 & A2
5.2.2	17: Others - Ruber is damaged	m	10.00	At Abutment A1
5.2.3	24: Sediment clogging	m	10.00	At Abutment A2
5.3	**Element:** Drainage Facility			
5.3.1	24: Sediment clogging	Nos	0.00	None

Summary of damages for Xe Bangnouan Bridge

Item	Type of damages	Unit	Quatity	Remark
1	**Component:** Superstructure			
1.1	**Element:** Deck; **Material:** Reinforce Concrete			
1.1.1	07: Peeling/Exposure of Rebar	m^2	0.1020	
	Photo-045	m^2	0.0195	
	Photo-046	m^2	0.0300	
	Photo-047	m^2	0.0225	
	Photo-048	m^2	0.0300	
1.1.2	08: Leaching/Free lime	m^2	4.64	
	Photo-051-054	m^2	4.64	
1.1.3	11: Cracks on Slab (Bottom View)			
1.1.3.1	width ≤ 0.2mm	m	3998.8	
	Photo-027-030	m	102.46	Accessible area
	Photo-031-034	m	100.00	Accessible area
	Photo-035-038	m	109.10	Accessible area
	Photo-039-042	m	123.15	Accessible area
	Cracks on inaccessible area	m	3564.1	Assumed value for inaccessible area
1.1.3.2	0.2mm < width < 1.0mm	m	58.0	
	Photo-051-054	m	58.00	Span 2
1.1.3.3	width ≥ 1.0mm	m	0.0	None
1.1.4	11: Cracks on Slab (Top View)			
1.1.4.1	width ≤ 0.2mm	m	8.00	
	Span-1, Upstream & Downstream	m	0	
	Span-2, Upstream & Downstream	m	3.4	
	Span-3, Upstream & Downstream	m	0.60	
	Cracks under pavement (Invisible cracks)	m	4.00	100% of visible crack
1.1.1.2	0.2mm < width < 1.0mm	m	152.36	
	Span-1, Upstream & Downstream	m	12.55	
	Span-2, Upstream & Downstream	m	27.11	
	Span-3, Upstream & Downstream	m	36.52	
	Cracks under pavement (Invisible cracks)	m	76.18	100% of visible crack
1.1.1.3	width ≥ 1.0mm	m	0.0	None
1.2	**Element:** Girder; **Material:** Steel			
1.2.1	01: Corrosion	m^2	6.4026	
	Photo-001-004	m^2	0.7245	Accessible area
	Photo-005-008	m^2	0.3308	Accessible area
	Photo-009-010	m^2	0.1200	Accessible area
	Photo-011-012	m^2	0.0220	Accessible area
	Photo-013-016	m^2	0.1572	Accessible area
	Photo-017-020	m^2	0.7245	Accessible area
	Photo-021-022	m^2	0.1250	Accessible area
	Photo-023-024	m^2	0.0050	Accessible area
	Corrosion on inaccessible area	m^2	4.19	20% of the accessible area value
1.2.2	02: Cracks	Nos	2	
	Photo-025	Nos	1	
	Photo-026	Nos	1	
1.2.3	04: Fracture	Nos	0.00	None
2	**Component:** Substructure			
2.1	**Element:** Body; **Material:** Reinforce Concrete			
2.1.1	06: Cracks			
2.1.1.1	width ≤ 0.2mm	m	22.18	
	Photo-078, W=0.10-0.15mm	m	1.25	
	Photo-079-084, W=0.1-0.2mm	m	20.23	
	Photo-085, W=0.2mm	m	0.70	

2.1.1.2	0.2mm < width < 1.0mm	m	7.30	
	Photo-082-083, W=0.25mm	m	3.00	
	Photo-086, W=0.50mm	m	2.10	
	Photo-087, W=0.65mm	m	0.10	
	Photo-091, W=0.35mm	m	2.10	
2.1.1.3	width ≥ 1.0mm	m	0.00	None
2.1.2	07: Peeling/Exposure of Rebar	m^2	0.85	
	Photo-085	m^2	0.42	
	Photo-086	m^2	0.43	
2.1.3	08: Leaching/Free lime	m^2	0.00	None
2.2	**Element:** Foundation; **Material:** Reinforce Concrete			
2.2.1	26: Scouring	m^2	122.52	Pier P1 & P2
	P1	m^2	61.26	=π x 1.5m x 6.5m x 2 Nos
	P2	m^2	61.26	=π x 1.5m x 6.5m x 2 Nos
3	**Component:** Bearing			
3.1	**Element:** Bearing body			
3.1.1	Severely corroded	m^2	0.00	None. But, Slightly corroded were found in every bearing.
3.1.2	Some parts are missing	Nos	1	Anchor bolt is missing at A2/G2
	Photo-075	Nos	1	
3.1.3	Rubber is damaged	m^3	N/A	Not available to measure. Anyway, We found that rubber inside steel cylinder pot are damaged in every bearing.
3.1.4	Rubber is hardened	m^3	0.00	None
3.1.5	Lost	Nos	0	None
3.2	**Element:** Shoe seat, Mortar			
3.2.1	Sediment accumulate	Nos	2	At Abutment A1 and A2
3.2.2	Water is pooled	Nos	0	None
3.2.3	Mortar is cracked and partially lost	Nos	4	At Abutment A1
	Photo-057, W=0.55mm	m	0.070	1 Nos
	Photo-062, W=0.10mm	m	0.080	1 Nos
	Photo-063, W=0.15mm	m	0.070	1 Nos
	Photo-064	m^2	0.057	1 Nos
4	**Component:** On the Road			
4.1	**Element:** Railing; **Material:** Steel Pipe			
4.1.1	01: Corrosion	m^2	142.39	
	Span-1 (A1-P1), Upstream	m^2	21.32	
	Span-1 (A1-P1), Downstream	m^2	22.94	
	Span-2 (P1-P2), Upstream	m^2	26.96	
	Span-2 (P1-P2), Downstream	m^2	28.48	
	Span-3 (P2-A2), Upstream	m^2	25.33	
	Span-3 (P2-A2), Downstream	m^2	17.36	
4.1.2	04: Fracture	Nos	0	None
4.1.3	23: Deformation /Loss	Nos	0	None
4.2	**Element:** Wheel Guard; **Material:** Reinforce Concrete			
4.2.1	06: Cracks			
4.2.1.1	width ≤ 0.2mm	m	0.40	
	Span-1 (A1-P1), Upstream	m	0.00	
	Span-1 (A1-P1), Downstream	m	0.00	
	Span-2 (P1-P2), Upstream	m	0.20	
	Span-2 (P1-P2), Downstream	m	0.00	
	Span-3 (P2-A2), Upstream	m	0.20	
	Span-3 (P2-A2), Downstream	m	0.00	
4.2.1.2	0.2mm < width < 1.0mm	m	50.30	
	Span-1 (A1-P1), Upstream	m	3.30	
	Span-1 (A1-P1), Downstream	m	9.70	
	Span-2 (P1-P2), Upstream	m	10.10	

	Span-2 (P1-P2), Downstream	m	10.40	
	Span-3 (P2-A2), Upstream	m	7.60	
	Span-3 (P2-A2), Downstream	m	9.20	
4.2.1.3	width ≥ 1.0mm	m	1.00	
	Span-1 (A1-P1), Upstream	m	1.00	
	Span-1 (A1-P1), Downstream	m	0.00	
	Span-2 (P1-P2), Upstream	m	0.00	
	Span-2 (P1-P2), Downstream	m	0.00	
	Span-3 (P2-A2), Upstream	m	0.00	
	Span-3 (P2-A2), Downstream	m	0.00	
4.2.2	07: Peeling/Exposure of Rebar	m^2	0.90	
	Span-1 (A1-P1), Upstream & Downstream	m^2	0.64	
	Span-2 (P1-P2), Downstream	m^2	0.01	
	Span-3 (P2-A2), Upstream & Downstream	m^2	0.25	

Summary of damages for Xe Bangnouan Bridge

Item	Type of damages	Unit	Quatity	Remark
5	**Component:** Road Surface			
5.1	**Element:** Pavement			
5.1.1	14: Rough Road Surface			
5.1.1.1	Potholes depth 5-15mm	m^2	180.93	
	Span-1, Upstream & Downstream	m^2	61.40	
	Span-2, Upstream & Downstream	m^2	48.44	
	Span-3, Upstream & Downstream	m^2	71.09	
5.1.1.2	Bumps	m^2	0.00	None
5.1.2	15: Abnormal Surface (Pavement Cracks)	m^2	0.00	None
5.2	**Element:** Expansion Joint			
5.2.1	14: Rough Road Surface (Step)	m	20.00	At Abutment A1 & A2
5.2.2	17: Others - Ruber is damaged	m	10.00	At Abutment A1
5.2.3	24: Sediment clogging	m	10.00	At Abutment A2
5.3	**Element:** Drainage Facility			
5.3.1	24: Sediment clogging	Nos	0.00	None
	Span-1 (A1-P1), Downstream	Nos	13.00	14.25 m^2
	Span-1 (A1-P1), Upstream	Nos	13.00	14.25 m^2
	Span-2 (P1-A2), Downstream	Nos	13.00	14.25 m^2
	Span-2 (P1-A2), Upstream	Nos	13.00	14.25 m^2

Appendix 2: Xe Bangnouan Bridge

Appendix 2-e: Inspection Sheet

Bridge Inspection Sheet (Superstructure - Span1, A1 to P1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Super-structure	Deck	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☑ 07	Peeling, Rebar exposure	98.0		2.0		0.0	045-046
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 09	Fall off						
			☐ 10	Deterioration of repair/ reinforcement material						
			☑ 11	Cracks on slab	0.0	0.0	0.0	85.0	15.0	027 - 034 145 - 150
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
	Main structure	Steel	☑ 01	Corrosion	85.0	15.0	0.0	0.0	0.0	001-008
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 13	Extraordinal gap						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 13	Extraordinal gap						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Superstructure - Span2, P1 to P2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	2/3
Bridge type	Girder Bridge
Span length (m)	53.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Super-structure	Deck	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	70.0		0.0	30.0	0.0	051-054
			☐ 09	Fall off						
			☐ 10	Deterioration of repair/ reinforcement material						
			☑ 11	Cracks on slab	0.0	0.0	0.0	65.0	35.0	051 - 054 151 - 156
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
	Main structure	Steel	☑ 01	Corrosion	95.0	5.0	0.0	0.0	0.0	-
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 13	Extraordinal gap						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 13	Extraordinal gap						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Superstructure - Span3, P2 to A2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	3/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Super-structure	Deck	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☑ 07	Peeling, Rebar exposure	98.0		2.0		0.0	047-048
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 09	Fall off						
			☐ 10	Deterioration of repair/ reinforcement material						
			☑ 11	Cracks on slab	0.0	0.0	0.0	75.0	25.0	035 - 042 157 - 162
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
	Main structure	Steel	☑ 01	Corrosion	85.0	15.0	0.0	0.0	0.0	013-020
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 13	Extraordinal gap						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 13	Extraordinal gap						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Other than deck & main structure - Span1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element		Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Super-structure	Other than deck and main structure	Main members	Steel	☑ 01	Corrosion	92.5	7.5	0.0	0.0	0.0	009-012
				☑ 02	Cracks	100.0		0.0		0.0	-
				☐ 03	Loose, Drop off						
				☑ 04	Fracture	100.0				0.0	-
				☐ 05	Degradation of anticorrosion performance						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 17	Others						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
			Concrete	☐ 06	Cracks						
				☐ 07	Peeling, Rebar exposure						
				☐ 08	Leaching, Free lime						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 12	Spalling						
				☐ 17	Others						
				☐ 18	Extraordinal anchorage						
				☐ 19	Discoloration, Degradation						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
		Non-main members	Steel	☐ 01	Corrosion						
				☐ 02	Cracks						
				☐ 03	Loose, Drop off						
				☐ 04	Fracture						
				☐ 05	Degradation of anticorrosion performance						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 17	Others						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
			Concrete	☐ 06	Cracks						
				☐ 07	Peeling, Rebar exposure						
				☐ 08	Leaching, Free lime						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 12	Spalling						
				☐ 17	Others						
				☐ 19	Discoloration, Degradation						
				☐ 20	Water leakage, Surface ponding						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Other than deck & main structure - Span2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	2/3
Bridge type	Girder Bridge
Span length (m)	53.00

Component	Element		Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Super-structure	Other than deck and main structure	Main members	Steel	☑ 01	Corrosion	92.5	7.5	0.0	0.0	0.0	-
				☑ 02	Cracks	100.0		0.0		0.0	-
				☐ 03	Loose, Drop off						
				☑ 04	Fracture	100.0				0.0	-
				☐ 05	Degradation of anticorrosion performance						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 17	Others						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
			Concrete	☐ 06	Cracks						
				☐ 07	Peeling, Rebar exposure						
				☐ 08	Leaching, Free lime						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 12	Spalling						
				☐ 17	Others						
				☐ 18	Extraordinal anchorage						
				☐ 19	Discoloration, Degradation						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
		Non-main members	Steel	☐ 01	Corrosion						
				☐ 02	Cracks						
				☐ 03	Loose, Drop off						
				☐ 04	Fracture						
				☐ 05	Degradation of anticorrosion performance						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 17	Others						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
			Concrete	☐ 06	Cracks						
				☐ 07	Peeling, Rebar exposure						
				☐ 08	Leaching, Free lime						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 12	Spalling						
				☐ 17	Others						
				☐ 19	Discoloration, Degradation						
				☐ 20	Water leakage, Surface ponding						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Other than deck & main structure - Span3)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	3/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element		Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Super-structure	Other than deck and main structure	Main members	Steel	☑ 01	Corrosion	92.5	7.5	0.0	0.0	0.0	021-024
				☑ 02	Cracks	97.5		0.0		2.5	025-026
				☐ 03	Loose, Drop off						
				☑ 04	Fracture	100.0				0.0	-
				☐ 05	Degradation of anticorrosion performance						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 17	Others						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
			Concrete	☐ 06	Cracks						
				☐ 07	Peeling, Rebar exposure						
				☐ 08	Leaching, Free lime						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 12	Spalling						
				☐ 17	Others						
				☐ 18	Extraordinal anchorage						
				☐ 19	Discoloration, Degradation						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
		Non-main members	Steel	☐ 01	Corrosion						
				☐ 02	Cracks						
				☐ 03	Loose, Drop off						
				☐ 04	Fracture						
				☐ 05	Degradation of anticorrosion performance						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 17	Others						
				☐ 20	Water leakage, Surface ponding						
				☐ 21	Extraordinal sound/ vibration						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						
			Concrete	☐ 06	Cracks						
				☐ 07	Peeling, Rebar exposure						
				☐ 08	Leaching, Free lime						
				☐ 10	Deterioration of repair/ reinforcement material						
				☐ 12	Spalling						
				☐ 17	Others						
				☐ 19	Discoloration, Degradation						
				☐ 20	Water leakage, Surface ponding						
				☐ 22	Extraordinal deflection						
				☐ 23	Deformation, Loss						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Substructure - Abutment A1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Sub-structure	Body	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☑ 20	Water leakage, Surface ponding	0.0				100.0	067
			☐ 23	Deformation, Loss						
	Foundation	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, displacement, Inclining						
			☐ 26	Scouring						
		Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, Displacement, Inclining						
			☑ 26	Scouring	100.0		0.0		0.0	-

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Substructure - Pier P1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3 & 2/3
Bridge type	Girder Bridge
Span length (m)	43.00 & 53.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Sub-structure	Body	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	92.0	0.0	2.0	0.0	6.0	085-086
			☑ 07	Peeling, Rebar exposure	94.0		6.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
	Foundation	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, displacement, Inclining						
			☐ 26	Scouring						
		Concrete	☑ 06	Cracks	98.0	0.0	0.0	0.0	2.0	087
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, Displacement, Inclining						
			☑ 26	Scouring	55.0		45.0		0.0	088

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Substructure - Pier P2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	2/3 & 3/3
Bridge type	Girder Bridge
Span length (m)	53.00 & 43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Sub-structure	Body	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
	Foundation	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, displacement, Inclining						
			☐ 26	Scouring						
		Concrete	☑ 06	Cracks	85.0	0.0	15.0	0.0	2.0	091
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, Displacement, Inclining						
			☑ 26	Scouring	55.0		45.0		0.0	092-094

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Substructure - Abutment A2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	3/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Sub-structure	Body	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	25.0	5.0	0.0	70.0	0.0	078-084
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☑ 20	Water leakage, Surface ponding	0.0				100.0	076
			☐ 23	Deformation, Loss						
	Foundation	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 22	Extraordinal deflection						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, displacement, Inclining						
			☐ 26	Scouring						
		Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 18	Extraordinal anchorage						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 25	Subsidence, Displacement, Inclining						
			☑ 26	Scouring	100.0		0.0		0.0	-

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Bearings - at Abutment A1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Bearings	Body	Steel	☑ 01	Corrosion	0.0	0.0	100.0	0.0	0.0	055, 060
			☑ 02	Cracks	100.0		0.0		0.0	-
			☑ 03	Loose, Drop off	100.0		0.0		0.0	-
			☑ 04	Fracture	100.0				0.0	-
			☑ 05	Degradation of anticorrosion performance	0.0	0.0	100.0	0.0	0.0	056, 061
			☑ 16	Lack of bearing function	100.0				0.0	-
			☑ 17	Others	0.0				100.0	058, 065
			☐ 20	Water leakage, Surface ponding						
			☑ 23	Deformation, Loss	70.0		15.0		15.0	059, 066
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displaement, Inclining						
		Rubber	☐ 16	Lack of bearing function						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displacement, Inclining						
	Shoe seat mortar, pedestal concrete	Concrete	☑ 06	Cracks	70.0	20.0	0.0	0.0	10.0	057, 062, 063
			☑ 07	Peeling, Rebar exposure	80.0		20.0		0.0	064
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
	Bridge fall preven-tion device	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Bearings - at Pier P1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3 & 2/3
Bridge type	Girder Bridge
Span length (m)	43.00 & 53.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Bearings	Body	Steel	☑ 01	Corrosion	0.0	0.0	100.0	0.0	0.0	089, 090
			☑ 02	Cracks	100.0		0.0		0.0	-
			☑ 03	Loose, Drop off	100.0		0.0		0.0	-
			☑ 04	Fracture	100.0				0.0	-
			☑ 05	Degradation of anticorrosion performance	0.0	0.0	100.0	0.0	0.0	089, 090
			☐ 16	Lack of bearing function						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displaement, Inclining						
		Rubber	☐ 16	Lack of bearing function						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displacement, Inclining						
	Shoe seat mortar, pedestal concrete	Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
	Bridge fall preven-tion device	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Bearings - at Pier P2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	2/3 & 3/3
Bridge type	Girder Bridge
Span length (m)	53.00 & 43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Bearings	Body	Steel	☑ 01	Corrosion	0.0	0.0	100.0	0.0	0.0	095, 096
			☑ 02	Cracks	100.0		0.0		0.0	-
			☑ 03	Loose, Drop off	100.0		0.0		0.0	-
			☑ 04	Fracture	100.0				0.0	-
			☑ 05	Degradation of anticorrosion performance	0.0	0.0	100.0	0.0	0.0	095, 096
			☐ 16	Lack of bearing function						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displaement, Inclining						
		Rubber	☐ 16	Lack of bearing function						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displacement, Inclining						
	Shoe seat mortar, pedestal concrete	Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
	Bridge fall preven-tion device	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Bearings - at Abutment A2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	3/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Bearings	Body	Steel	☑ 01	Corrosion	0.0	0.0	100.0	0.0	0.0	069, 072
			☑ 02	Cracks	100.0		0.0		0.0	-
			☑ 03	Loose, Drop off	85.0		0.0		15.0	075
			☑ 04	Fracture	100.0				0.0	-
			☑ 05	Degradation of anticorrosion performance	0.0	0.0	100.0	0.0	0.0	070, 073
			☑ 16	Lack of bearing function	100.0				0.0	-
			☑ 17	Others	0.0				100.0	071, 074
			☐ 20	Water leakage, Surface ponding						
			☑ 23	Deformation, Loss	100.0		0.0		0.0	-
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displaement, Inclining						
		Rubber	☐ 16	Lack of bearing function						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
			☐ 25	Subsidence, Displacement, Inclining						
	Shoe seat mortar, pedestal concrete	Concrete	☑ 06	Cracks	100.0	0.0	0.0	0.0	0.0	-
			☑ 07	Peeling, Rebar exposure	100.0		0.0		0.0	-
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 23	Deformation, Loss						
	Bridge fall preven-tion device	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" and deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (On the road - Span1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
On the road	Railing/ Guard fence	Steel	☑ 01	Corrosion	15.0	0.0	85.0	0.0	0.0	097 - 102
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 23	Deformation, Loss						
	Noise barrier	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
	Lights, Traffic signs	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
	Pavement	Concrete	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
		Asphalt	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						

Legend : Target for "Periodic Inspection A" but not for deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (On the road - Span2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	2/3
Bridge type	Girder Bridge
Span length (m)	53.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
On the road	Railing/ Guard fence	Steel	☑ 01	Corrosion	10.0	0.0	90.0	0.0	0.0	103 - 108
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 23	Deformation, Loss						
	Noise barrier	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
	Lights, Traffic signs	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
	Pavement	Concrete	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
		Asphalt	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						

Legend : Target for "Periodic Inspection A" but not for deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (On the road - Span3)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	3/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
On the road	Railing/ Guard fence	Steel	☑ 01	Corrosion	15.0	0.0	85.0	0.0	0.0	109 - 114
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
		Concrete	☐ 06	Cracks						
			☐ 07	Peeling, Rebar exposure						
			☐ 08	Leaching, Free lime						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 23	Deformation, Loss						
	Noise barrier	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
	Lights, Traffic signs	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 17	Others						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
	Pavement	Concrete	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
		Asphalt	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						

Legend : Target for "Periodic Inspection A" but not for deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Road surface - Span1)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	1/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Road surface	Wheel guard	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	25.0	0.0	0.0	0.0	75.0	115 - 120
			☑ 07	Peeling, Rebar exposure	75.0		25.0		0.0	133 - 138
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 23	Deformation, Loss						
	Pavement	Concrete	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
		Asphalt	☑ 14	Rough road surface	55.0		45.0		0.0	169 - 174
			☑ 15	Extraordinal pavement	100.0		0.0		0.0	-
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
	Expansion joint	Steel	☑ 01	Corrosion	100.0	0.0	0.0	0.0	0.0	-
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 13	Extraordinal gap						
			☑ 14	Rough road surface	0.0		0.0		100.0	163 - 165
			☑ 17	Others	20.0				80.0	204
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
		Concrete	☐ 06	Cracks						
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
		Rubber	☐ 13	Extraordinal gap						
			☐ 14	Rough road surface						
			☐ 17	Others						
			☐ 19	Descoloration, degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" but not for deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Road surface - Span2)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	2/3
Bridge type	Girder Bridge
Span length (m)	53.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Road surface	Wheel guard	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	30.0	0.0	0.0	0.0	70.0	121 - 126
			☑ 07	Peeling, Rebar exposure	99.0		1.0		0.0	139
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 23	Deformation, Loss						
	Pavement	Concrete	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
		Asphalt	☑ 14	Rough road surface	80.0		20.0		0.0	175 - 180
			☑ 15	Extraordinal pavement	100.0		0.0		0.0	-
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
	Expansion joint	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 13	Extraordinal gap						
			☐ 14	Rough road surface						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
		Concrete	☐ 06	Cracks						
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
		Rubber	☐ 13	Extraordinal gap						
			☐ 14	Rough road surface						
			☐ 17	Others						
			☐ 19	Descoloration, degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" but not for deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]

Bridge Inspection Sheet (Road surface - Span3)

Road No.	13S
Road name	NR No.13 South
Bridge ID/No.	Unknown
Bridge name	Xe Bangnouan

Inspection date	22-02-22
Inspection type	Detailed Inspection
Span No.	3/3
Bridge type	Girder Bridge
Span length (m)	43.00

Component	Element	Material	Damage type		Damage state (%) A	B	C	D	E	Photo No.
Road surface	Wheel guard	Steel	☐ 01	Corrosion						
			☐ 02	Cracks						
			☐ 03	Loose, Drop off						
			☐ 04	Fracture						
			☐ 05	Degradation of anticorrosion performance						
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 17	Others						
			☐ 23	Deformation, Loss						
		Concrete	☑ 06	Cracks	25.0	0.0	0.0	0.0	75.0	127 - 132
			☑ 07	Peeling, Rebar exposure	92.0		8.0		0.0	140 - 144
			☑ 08	Leaching, Free lime	100.0		0.0	0.0	0.0	-
			☐ 10	Deterioration of repair/ reinforcement material						
			☐ 12	Spalling						
			☐ 17	Others						
			☐ 19	Discoloration, Degradation						
			☐ 23	Deformation, Loss						
	Pavement	Concrete	☐ 14	Rough road surface						
			☐ 15	Extraordinal pavement						
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
		Asphalt	☑ 14	Rough road surface	75.0		25.0		0.0	181 - 184
			☑ 15	Extraordinal pavement	100.0		0.0		0.0	-
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
	Expansion joint	Steel	☑ 01	Corrosion	100.0	0.0	0.0	0.0	0.0	-
			☑ 02	Cracks	100.0		0.0		0.0	-
			☐ 03	Loose, Drop off						
			☑ 04	Fracture	100.0				0.0	-
			☐ 05	Degradation of anticorrosion performance						
			☐ 13	Extraordinal gap						
			☑ 14	Rough road surface	0.0		100.0		0.0	166 - 168
			☐ 17	Others						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☑ 24	Sediment clogging	70.0				30.0	202 - 203
		Concrete	☐ 06	Cracks						
			☐ 12	Spalling						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						
		Rubber	☐ 13	Extraordinal gap						
			☐ 14	Rough road surface						
			☐ 17	Others						
			☐ 19	Descoloration, degradation						
			☐ 20	Water leakage, Surface ponding						
			☐ 21	Extraordinal sound/ vibration						
			☐ 23	Deformation, Loss						
			☐ 24	Sediment clogging						

Legend : Target for "Periodic Inspection A" but not for deterioaration prediction

: Not Applicable

Steel : 05, [Coating: A,C,D,E], [Plating, Metalic spraying: A,C,E], [Weathering steel: A,B,C,D,E]