

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID	03B004
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Inventory Data

Structure Name	Frank Channel Bridge		
Structure Location	HWY003-KM00243.8		
Road Number	3	On <input checked="" type="checkbox"/>	Under <input type="checkbox"/>
Road Name	Yellowknife Highway		
Watercourse Name	Frank Channel		
Crossing Type:	Road <input type="checkbox"/>	Rail <input type="checkbox"/>	Water <input checked="" type="checkbox"/> Navigable waterway <input type="checkbox"/>
	River <input type="checkbox"/>	Other <input type="checkbox"/>	Creek <input type="checkbox"/> Pedestrian <input type="checkbox"/>
Hwy Direction	3-SOUTH/NORTH		
Owner Category			
Maint.Resp.		Northing	62.7841667
Region	North Slave	Easting	-115.94639
District		National Highway System	
Municipality		Highway Designation	
Township		Hwy Functional Classification	
Structure Category	Bridge	AADT	890
Main Struct. Subcateg.	Truss	Trucks (%)	3
Main Struct. Type	Through Truss	District Bridge Engineer	002
Deck Length (Total)	207.15 (m)	Road Authority	
Overall Structure Width	8.74 (m)	Bridge Plan #	
Deck Area (Total)	1,810.49 (Sq.m)	Min. Vertical Clearance	(m)
Width (Traffic)	7.30 (m)	Detour Distance	(km)
Skew Angle	0.00	Speed on Detour	(kph)
Number of spans	4	Fill Height	(m)
Total Length / Spans (m)	Total = 198.82; (1) = 79.17; (2) = 20.24; (3) = 20.24; (4) = 79.17		

Historical Data

Year Built	1960	Evaluation Year	
Last Biennial Inspection	July 24, 2021	Current Load Limit	
Last Special Access Inspection		Current BCI	62.78
Last Condition Survey		Current BCU	53.50
Last Underwater Inspection		Current SI	14.07

Rehab. History

In the 1981 upgrading, cover plates were added to the bottom flanges of the steel girder spans and bracing was added to the through truss span



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Scheduled Improvements

Regional Priority Number		Programmed Work Year	
Nature of Programmed Work			

Appraisal Indices **Comments**

Load Capacity Index		
Flood Index		
Barrier Index		
Curb Index		
Seismic Index		
Fatigue Index		
Scour Index		
Structure Index		

Suspected Performance Deficiencies

- | | | |
|---|---|------------------------------|
| 00 None | 06 Bearings not uniformly loaded/unstable | 12 Slippery surface |
| 01 Load carrying capacity | 07 Jammed expansion joint | 13 Flooding/channel blockage |
| 02 Excessive deformations (deflections and rotations) | 08 Pedestrian/vehicular hazard | 14 Undermining of foundation |
| 03 Continuing settlement | 09 Rough riding surface | 15 Unstable embankments |
| 04 Continuing movements | 10 Surface ponding | 16 Other |
| 05 Seized bearings | 11 Deck drainage | |

Maintenance Needs

- | | | |
|--------------------------------------|------------------------------|--|
| 01 Lift and Swing Bridge Maintenance | 07 Structural Steel Repair | 13 Erosion Control at Bridges |
| 02 Bridge Cleaning | 08 Concrete Repair | 14 Concrete Sealing |
| 03 Railing System Repair | 09 Timber Repair | 15 Rout and Seal |
| 04 Painting Steel Bridge Structures | 10 Works for Modular Bridges | 16 Bridge Deck Drainage |
| 05 Bridge Deck Joint Repair | 11 Animal/Pest Control | 17 Scaling (Loose Concrete or ACR Steel) |
| 06 Bridge Bearing Maintenance | 12 Bridge Surface Repair | 18 Other |



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Field Inspection Information

Inspection Date	July 24, 2021	Weather	Clear / Sunny	Temperature	19
Inspector	Salim Sarwar	Firm	Stantec Consulting Ltd		
Others in Party	Ren C; Justin D; Sebastien D; Marie-Andree P; Eric, T; Nick, P.				
Equipment Used	Rope Access, Boat, Chain Drag, Hammer				
Access Equipment Used	Ladder <input type="checkbox"/>	Boat <input checked="" type="checkbox"/>	Bucket Truck <input type="checkbox"/>	Hip Waders <input type="checkbox"/>	
	Access Key <input type="checkbox"/>	Climbing Inspection <input checked="" type="checkbox"/>	Under Bridge Inspection Unit <input type="checkbox"/>		

Special Notes

Upcoming Inspections and Investigations

Inspection Type	Due Date	Priority	Comment
Biennial	June 19, 2024		

Recommended Inspections and Investigations

Recommended Inspection Type	Due Date	Priority			Estimated Cost (\$)	Comments
		None	Normal	Urgent		
Material Condition Survey:						
Detailed Deck Condition Survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Non-destructive Delamination Survey of Asphalt-Covered Deck		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Concrete Substructure Condition Survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Detailed Coating Condition Survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Detailed Timber Investigation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Post-Tensioned Strand Investigation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Underwater Investigation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fatigue Investigation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Seismic Investigation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Structure Evaluation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Monitoring						
Monitoring of Deformations, Settlements and Movements		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Monitoring Crack Widths		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Overall Structure Recommendations:

Work Category	None <input type="checkbox"/>	Minor Rehab <input type="checkbox"/>	Major Rehab <input type="checkbox"/>	Replacement <input checked="" type="checkbox"/>	
Timing	None <input type="checkbox"/>	Urgent <input type="checkbox"/>	< 1 year <input type="checkbox"/>	1 - 5 year <input checked="" type="checkbox"/>	6 - 10 year <input type="checkbox"/>
Est. Total Cost	\$30,000,000				
Comments	The existing bridge is to be replaced within 5 years. The existing bridge will be opened to traffic during construction. The bearings at Pier 2 should be monitored due to sheared anchor bolts.				

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Element Data

Group	Abutments						Length	N/A (m)
Element	Abutment walls						Width	8.99 (m)
Span Num							Height	1.57 (m)
Material	Cast-in-place concrete						Count	2.00
Type	Conventional closed						Quantity	28.000 (Sq.m)
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	A1 and A2					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	26.000	2.000	0.000			

Comments

CR = 2

Light scaling typical throughout. Narrow to medium vertical cracks were observed at both abutments.

Performance Deficiencies

0-None

1

Group	Abutments						Length	N/A (m)
Element	Bearings						Width	N/A (m)
Span Num							Height	N/A (m)
Material	N/A						Count	4.00
Type	Rocker						Quantity	4.000 (Each)
Env't	Benign <input type="checkbox"/>		Moderate <input checked="" type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	A1 and A2					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	4.000	0.000	0.000			

Comments

CR = 3

Light corrosion

Performance Deficiencies

5-Seized Bearings

2

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Element Data

Group	Abutments	Length	3.66 (m)					
Element	Wingwalls	Width	N/A (m)					
Span Num		Height	2.44 (m)					
Material	Cast-in-place concrete	Count	4.00					
Type	Reinforced concrete	Quantity	36.000 (Sq.m)					
Env't	Benign <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/>	Not Inspected	<input type="checkbox"/>					
Location	A1 and A2	Description						
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	35.300	0.500	0.200			

Comments CR = 2

Light scaling typical throughout, rust stains visible. few narrow horizontal cracks observed. Minor spall at South west corner.

Performance Deficiencies

0-None

3

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Element Data

Group	Approaches					Length	3.66 (m)	
Element	Approach slabs					Width	8.99 (m)	
Span Num						Height	0.20 (m)	
Material	Cast-in-place concrete					Count	2.00	
Type	N/A					Quantity	66.000 (Sq.m)	
Env't	Benign <input type="checkbox"/> Moderate <input type="checkbox"/> Severe <input checked="" type="checkbox"/>					Not Inspected	<input type="checkbox"/>	
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	53.000	3.000	10.000			

Comments

CR = 4

ABUT1: Covered by asphalt, spall approx 0.3*0.5sqm. ABUT2: RHS: Severe spall with exposed rebar (3.5X3.7sqm), medium scaling (1sqm), light scaling typical throughout, L transverse crack at end of slab. Efflorescence at underside of roof slab

Performance Deficiencies

0-None

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Element Data

Group	Approaches					Length	3.66 (m)	
Element	Sidewalk/Curb					Width	0.91 (m)	
Span Num						Height	0.28 (m)	
Material	Unknown					Count	4.00	
Type	N/A					Quantity	17.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input checked="" type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Curb				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	12.000	2.000	3.000			

Comments

CR = 5

Abutment1: LHS: Medium scaling 3*0.5sqm. RHS: S spall 0.3*0.5, light - medium spall 2*0.3sqm, M scale 2*0.3sqm. Abt2: LHS- S spall & exposed rebar 0.5x0.5sqm. RHS- S spall & stain spot 3.6x0.5sqm

Performance Deficiencies

0-None

5

Group	Approaches					Length	16.00 (m)	
Element	Wearing surface					Width	7.32 (m)	
Span Num						Height	(m)	
Material	Cast-in-place concrete					Count	2.00	
Type	N/A					Quantity	234.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input checked="" type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location					Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	174.000	0.000	60.000			

Comments

CR = 2

ABUT1: S rutting at RHS 1.5*40sqm, ABUT2: Light rutting and raveling

Performance Deficiencies

3-Continuing Settlement
9-Rough Riding Surface

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Element Data

Group	Attachments, Signs, and Utilities						Length	N/A	(m)
Element	Signs						Width	N/A	(m)
Span Num							Height	N/A	(m)
Material	N/A						Count	N/A	2.00
Type	N/A						Quantity	4.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>	
Location						Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	Each	4.000	0.000	0.000	0.000				

Comments CR = 2

Performance Deficiencies
0-None

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Group	Barriers						Length	1.83	(m)
Element	Posts						Width	0.25	(m)
Span Num							Height	1.22	(m)
Material	Cast-in-place concrete						Count	4.00	
Type	N/A						Quantity	20.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>	
Location	Concrete End Post					Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	Each	0.000	17.800	0.000	2.200				

Comments CR = 4

A1 - Light - M spall 1*0.2, delamination 0.4*0.25. A2 - LHS: Exposed rebar, spall and delamination 1*0.5sqm, M-S scale 1.2sqm RHS: Exposed rebar and spall 0.75*0.4sqm, light to medium scaling typical throughout

Performance Deficiencies
8-Pedestrian/Vehicular Hazard

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Element Data

Group	Barriers					Length	0.20 (m)	
Element	Posts					Width	0.31 (m)	
Span Num						Height	2.29 (m)	
Material	Steel					Count	8.00	
Type	N/A					Quantity	26.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Steel end posts				Description	W12x40		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	20.000	6.000	0.000			

Comments

CR = 2

Light corrosion, M-S paint peeling and pinhole rust. Flaking and section loss 0-10%

Performance Deficiencies

0-None

9

Group	Barriers					Length	0.15 (m)	
Element	Posts					Width	0.15 (m)	
Span Num						Height	1.52 (m)	
Material	Steel					Count	68.00	
Type	N/A					Quantity	95.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Steel posts				Description	Total Section 54		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	75.000	20.000	0.000			

Comments

CR = 2

Light corrosion, M-S paint peeling and pinhole rust. Flaking and section loss 0-10%

Performance Deficiencies

0-None

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Element Data

Group	Barriers					Length	(m)	
Element	Posts					Width	(m)	
Span Num						Height	(m)	
Material	Steel					Count	44.00	
Type	N/A					Quantity	272.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	Wood posts				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	132.000	119.000	21.000	0.000			

Comments CR = 4

Performance Deficiencies
8-Pedestrian/Vehicular Hazard

11

Group	Barriers					Length	202.94 (m)	
Element	Railing Systems					Width	N/A (m)	
Span Num						Height	1.32 (m)	
Material	Steel					Count	2.00	
Type	3 Rail Metal Railing - Steel					Quantity	406.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	A1 and A2				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	0.000	404.000	2.000			

Comments CR = 4

DS:100% Fair. Dent on one section @ T2 (span 4). US: 100% Fair. Paint peeling and rust, light corrosion with 0-5% section loss. Post 4 on south side of span 4 is bent to west.

Performance Deficiencies
0-None

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Element Data

Group	Barriers					Length	16.00 (m)	
Element	Railing Systems					Width	N/A (m)	
Span Num						Height	1.32 (m)	
Material	Steel					Count	4.00	
Type	Steel Flex Beam on wood post					Quantity	524.400 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	Approach				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	374.400	150.000	0.000			

Comments

CR = 4

There is no connection from W-Beam Bridge rail to bridge barrier at all corners.

Performance Deficiencies

8-Pedestrian/Vehicular Hazard

13

Group	Beams/MLE's					Length	0.05 (m)	
Element	Diaphragms					Width	2.44 (m)	
Span Num						Height	0.31 (m)	
Material	Steel					Count	6.00	
Type	Other					Quantity	6.000 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected <input checked="" type="checkbox"/>	
Location	Spans 2 and 3, at Pier 2				Description	C12x20.7		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	3.000	3.000	0.000			

Comments

CR = 2

Bottom & top flange rusted & flaking, coating failed. Section Loss 5-10%.

Performance Deficiencies

0-None

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Element Data

Group	Beams/MLE's					Length	0.08 (m)		
Element	Diaphragms					Intermediate	Width	2.44 (m)	
Span Num						Height	0.38 (m)		
Material	Steel					Count	12.00		
Type	Other					Quantity	3.000 (Sq.m)		
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input checked="" type="checkbox"/>	
Location	Spans 2 and 3					Description	C15x33.9		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	Sq.m	0.000	2.000	1.000	0.000				

Comments

CR = 3

Bottom flange rusted, no coating, corroded 0-5% Section loss.

Performance Deficiencies

16-Other

15

Group	Beams/MLE's					Length	0.05 (m)		
Element	Diaphragms					Intermediate	Width	2.44 (m)	
Span Num						Height	0.31 (m)		
Material	Steel					Count	6.00		
Type	Other					Quantity	1.000 (Sq.m)		
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input checked="" type="checkbox"/>	
Location	Spans 2 and 3, Pier 1 and 3					Description	C12x20.7		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	Sq.m	0.000	1.000	0.000	0.000				

Comments

CR = 3

Bottom flange rusted, no coating, corroded 0-5% Section loss.

Performance Deficiencies

0-None

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Element Data

Group	Beams/MLE's					Length	8.99 (m)	
Element	Floor Beams			End		Width	0.31 (m)	
Span Num						Height	0.92 (m)	
Material	Steel					Count	2.00	
Type	I type					Quantity	49.000 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 and T2				Description	(W36x170)		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	24.000	21.000	4.000			

Comments

CR = 4

L-M corrosion, flaking and section loss on top & bottom flange and web of the truss connection. Has section loss of up to 1 mm on the web.

Performance Deficiencies

1-Load Carrying Capacity

17

Group	Beams/MLE's					Length	8.99 (m)	
Element	Floor Beams			Intermediate		Width	0.31 (m)	
Span Num						Height	0.92 (m)	
Material	Steel					Count	18.00	
Type	I type					Quantity	445.000 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 and T2				Description	(W36x170)		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	289.700	133.000	22.300			

Comments

CR = 4

L-M corrosion, flaking on the top and bottom flange and the web of the truss connection. On one face, have severe corrosion on the bottom of the web directly above the bottom flange. Section loss is 2-4 mm and is approx. 10 mm high.

Performance Deficiencies

1-Load Carrying Capacity

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Element Data

Group	Beams/MLE's					Length	8.99 (m)	
Element	Floor Beams					Width	0.43 (m)	
	Intermediate					Height	0.92 (m)	
Span Num						Count	18.00	
Material	Steel					Quantity	506.000 (Sq.m)	
Type	I type					Not Inspected	<input type="checkbox"/>	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>			
Location	at Pier				Description	(W36x260)		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	228.000	253.000	25.000			

Comments

CR = 4

L-M corrosion, flaking on the top and bottom flange and the web of the truss connection. On one face, have severe corrosion on the bottom of the web directly above the bottom flange. Section loss is 2-4 mm and is approx. 10 mm high.

Performance Deficiencies

1-Load Carrying Capacity

Group	Beams/MLE's					Length	2.00 (m)	
Element	Girders					Width	0.31 (m)	
	End					Height	0.92 (m)	
Span Num						Count	8.00	
Material	Steel					Quantity	34.000 (Sq.m)	
Type	I type					Not Inspected	<input checked="" type="checkbox"/>	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>			
Location	Spans 2 and 3				Description	Couldn't fit description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	15.300	15.300	3.400			

Comments

CR = 2

L-M corrosion, flaking and section loss 5-10% SL on top, web and bottom flange.

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Group	Beams/MLE's					Length	19.25 (m)	
Element	Girders					Width	0.31 (m)	
	Middle					Height	0.92 (m)	
Span Num						Count	8.00	
Material	Steel					Quantity	329.000 (Sq.m)	
Type	I type					Not Inspected	<input checked="" type="checkbox"/>	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>			
Location	Spans 2 and 3				Description	Couldn't fit description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	156.500	156.000	16.500			

Comments

CR = 4

Fatigue prone detail at floor beam connection Pier 1 and 3, L-M corrosion, flaking and section loss 5-10% SL on bottom flange, splices of exterior girders and chemical reaction.

21

Group	Beams/MLE's					Length	7.92 (m)	
Element	Stringers					Width	0.31 (m)	
	End					Height	0.61 (m)	
Span Num						Count	8.00	
Material	Steel					Quantity	8.000 (Each)	
Type	I type					Not Inspected	<input type="checkbox"/>	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>			
Location	T1 and T2				Description	(W24x76)		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	0.000	6.000	2.000			

Comments

CR = 4

Paint peeling. Exterior stringers: L-M rusting, section loss and flaking

Performance Deficiencies

1-Load Carrying Capacity

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Element Data

Group	Beams/MLE's					Length	7.92 (m)	
Element	Stringers					Width	0.31 (m)	
Span Num						Height	0.61 (m)	
Material	Steel					Count	72.00	
Type	I type					Quantity	72.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 and T2					Description	(W24x76)	
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	32.400	32.400	7.200			

Comments CR = 4

Paint peeling. Exterior stringers: L-M rusting, section loss and flaking

Performance Deficiencies

1-Load Carrying Capacity

23

Group	Bracing					Length	11.16 (m)	
Element	Bracing					Width	N/A 0.08 (m)	
Span Num						Height	N/A 0.10 (m)	
Material	Steel					Count	50.00	
Type	N/A					Quantity	25.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Top Chord					Description	2L's 4x3x5/16 laced	
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	25.000	0.000	0.000			

Comments CR = 3

Paint peeling

Performance Deficiencies

0-None

24

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Bracing					Length	12.22 (m)	
Element	Bracing					Width	N/A 0.08 (m)	
Span Num						Height	N/A 0.10 (m)	
Material	Steel					Count	8.00	
Type	N/A					Quantity	8.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Bottom Chord					Description	2L's 4x3x3/8 laced	
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	8.000	0.000	0.000			

Comments

CR = 3

Debris on gusset plates, paint peeling, rusting on bottom side, light corrosion, minor section loss

Performance Deficiencies

0-None

25

Group	Bracing					Length	12.22 (m)	
Element	Bracing					Width	N/A 0.08 (m)	
Span Num						Height	N/A 0.10 (m)	
Material	Steel					Count	32.00	
Type	N/A					Quantity	32.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Bottom Chord					Description	2L's 4x3x3/8 laced	
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	32.000	0.000	0.000			

Comments

CR = 3

Light corrosion

Performance Deficiencies

0-None

26

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Bracing					Length	20.19 (m)	
Element	Bracing					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	4.00	
Type	N/A					Quantity	4.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	Portal Bracing - U1-U1,U9-U9				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	1.000	2.000	1.000	0.000			

Comments CR = 3

Performance Deficiencies
0-None

27

Group	Bracing					Length	54.42 (m)	
Element	Bracing					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	6.00	
Type	N/A					Quantity	6.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	Sway Bracing - U4-U4,U5-U5,U6-U6				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	6.000	0.000	0.000			

Comments CR = 2

Paint peeling at bottom plate

Performance Deficiencies
0-None

28

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Bracing					Length	49.54 (m)	
Element	Bracing					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	4.00	
Type	N/A					Quantity	4.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Sway Bracing - U3-U3,U7-U7					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	4.000	0.000	0.000			

Comments CR = 3

Paint peeling at bottom plate

Performance Deficiencies

0-None

29

Group	Bracing					Length	45.13 (m)	
Element	Bracing					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	4.00	
Type	N/A					Quantity	4.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Sway Bracing, U2-U2,U8-U8					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	4.000	0.000	0.000			

Comments CR = 4

Paint peeling at bottom plate

Performance Deficiencies

0-None

30

Bridge Inspection Form

Struct. ID	03B004
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Element Data

Group	Bracing					Length	1.00 (m)	
Element	Bracing					Width	N/A 1.00 (m)	
Span Num						Height	N/A 1.00 (m)	
Material	Steel					Count	1.00	
Type	N/A					Quantity	1.000 (Each)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	horizontal L2-U2 -> U3-L4					Description	channel	
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	1.000	0.000	0.000			

Comments CR = 3

Paint peeling at bottom plate

Performance Deficiencies

0-None

31

Group	Coatings					Length	N/A (m)	
Element	Railing Systems / Hand Railings					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	N/A					Count	N/A	
Type	Unknown					Quantity	465.000 (m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	m	0.000	0.000	0.000	465.000			

Comments CR = 5

Chalking, paint peeling and pinhole rusting.

Performance Deficiencies

0-None

32

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Coatings					Length	N/A	(m)
Element	Structural Steel			End		Width	N/A	(m)
Span Num						Height	N/A	(m)
Material	N/A					Count	N/A	
Type	Unknown					Quantity	747.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	373.500	186.750	186.750			

Comments

CR = 5

Green paint peeling upto 6m from the deck, red lead paint underneath, diaphragm peeling, Top portion of the truss elements are in good condition

Performance Deficiencies

0-None

33

Group	Coatings					Length	N/A	(m)
Element	Structural Steel			Middle		Width	N/A	(m)
Span Num						Height	N/A	(m)
Material	N/A					Count	N/A	
Type	Unknown					Quantity	2,164.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	1,082.000	541.000	541.000			

Comments

CR = 5

Green paint peeling upto 6m from the deck, red lead paint underneath. Top portion of the truss elements are in good condition

Performance Deficiencies

0-None

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Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Coatings					Length	N/A	(m)
Element	Structural Steel					Width	N/A	(m)
Span Num						Height	N/A	(m)
Material	N/A					Count	N/A	
Type	Unknown					Quantity	7,313.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	%	0.000	45.000	25.000	30.000			

Comments

CR = 1

Flaking and peeling of coating, edge defects, pinhole rusting, and chalking, Top portion of the truss elements are in good condition.

Performance Deficiencies

0-None



Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Decks					Length	194.82 (m)	
Element	Deck top		Middle			Width	8.74 (m)	
Span Num						Height	(m)	
Material	Cast-in-place concrete					Count	N/A 1.00	
Type	Cast-in-place concrete on supports					Quantity	1,702.727 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	937.727	688.000	77.000			

Comments

CR = 6

Spall & delamination. Span1: 20 m2. Span2:5 m2. Span3: 8 m2. Span4: 50 m2. Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout.

Performance Deficiencies

- 1-Load Carrying Capacity
- 8-Pedestrian/Vehicular Hazard
- 9-Rough Riding Surface

Recommended Work

Recommended Work	Category	Timing	Quantity	Unit Cost	Total Cost (\$)
CO203 Patch deck, w/p, and potholes	Minor Rehab	1 - 5 year	80.000	2000	160000



Government of the Northwest Territories

Bridge Inspection Form

Struct. ID	03B004
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Element Data

Group	Decks					Length	4.00 (m)	
Element	Deck top			End		Width	8.74 (m)	
Span Num						Height	(m)	
Material	Cast-in-place concrete					Count	N/A 1.00	
Type	Cast-in-place concrete on supports					Quantity	34.960 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	3.000	12.480	16.480	3.000			

Comments

CR = 6

Small Spall, delamination, severe scaling, M transverse cracks, concrete patches, light scaling at remaining concrete. Concrete in the exterior soffits had S spalls and scaling with exposed corroded reinforcement throughout. 2 potholes at span 1.

Performance Deficiencies

- 1-Load Carrying Capacity
- 8-Pedestrian/Vehicular Hazard
- 9-Rough Riding Surface

Recommended Work

	Category	Timing	Quantity	Unit Cost	Total Cost (\$)
CO203 Patch deck, w/p, and potholes			2.000	2000	4000

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Decks					Length	1.00 (m)	
Element	Soffit - Thin Slab			End		Width	8.74 (m)	
Span Num						Height	N/A (m)	
Material	Cast-in-place concrete					Count	N/A 4.00	
Type	N/A					Quantity	34.960 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	31.460	3.500	0.000			

Comments

CR = 4

Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout. Most efflorescence at exterior girder & stringer near connections

Performance Deficiencies

0-None

38

Group	Decks					Length	194.82 (m)	
Element	Soffit - Thin Slab			Interior		Width	7.67 (m)	
Span Num						Height	N/A (m)	
Material	Cast-in-place concrete					Count	N/A 1.00	
Type	N/A					Quantity	1,494.853 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	1,165.985	298.971	29.897			

Comments

CR = 4

Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout. many locations (approx half) with chipping & staining. Efflorescence, most at exterior girder & stringer near connections.

Performance Deficiencies

0-None

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Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Decks					Length	194.82 (m)	
Element	Soffit - Thin Slab			Exterior		Width	1.07 (m)	
Span Num						Height	N/A (m)	
Material	Cast-in-place concrete					Count	N/A 1.00	
Type	N/A					Quantity	207.873 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input checked="" type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	72.756	72.756	62.362			

Comments

CR = 6

Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout. many locations (approx half) with chipping & staining.

Performance Deficiencies

0-None

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Decks					Length	198.82 (m)	
Element	Wearing surface					Width	7.32 (m)	
Span Num						Height	(m)	
Material	Cast-in-place concrete					Count	N/A 1.00	
Type	N/A					Quantity	1,454.368 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location						Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	727.184	654.466	72.718			

Comments

CR = 5

Concrete wearing surface. Small Spall, delamination, severe scaling, M transverse cracks, concrete patches, light scaling at remaining concrete. Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcing through

Performance Deficiencies

- 9-Rough Riding Surface
- 10-Surface Ponding

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Embankments & Streams						Length	N/A	(m)
Element	Embankments						Width	N/A	(m)
Span Num							Height	N/A	(m)
Material	N/A						Count	N/A	6.00
Type	N/A						Quantity	6.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>	
Location							Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	Each	0.000	6.000	0.000	0.000				

Comments

Erosion/gully at Abutment 1 LHS (U/S)

CR = 4

Performance Deficiencies

0-None

42

Group	Embankments & Streams						Length	N/A	(m)
Element	Slope protection						Width	N/A	(m)
Span Num							Height	N/A	(m)
Material	N/A						Count	N/A	6.00
Type	Hand laid riprap						Quantity	6.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>	
Location							Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	Each	0.000	6.000	0.000	0.000				

Comments

CR = 3

Performance Deficiencies

0-None

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Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Embankments & Streams						Length	N/A	(m)
Element	Streams and Waterways						Width	N/A	(m)
Span Num							Height	N/A	(m)
Material	N/A						Count	N/A	1.00
Type	N/A						Quantity	1.000 (All)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>	
Location						Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	All	0.000	1.000	0.000	0.000				

Comments CR = 3

Performance Deficiencies
0-None

44

Group	Foundations						Length	N/A	(m)
Element	Foundation (below ground level)						Width	N/A	(m)
Span Num							Height	N/A	(m)
Material	Cast-in-place concrete						Count	N/A	
Type	Spread						Quantity	1.000 (N/A)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input checked="" type="checkbox"/>	
Location						Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs	
	N/A	1.000	0.000	0.000	0.000				

Comments CR = 3

Performance Deficiencies
0-None

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Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Joints					Length	7.32 (m)	
Element	Armoring/retaining devices					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	3.00	
Type	N/A					Quantity	22.000 (m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Abut 1 and 2 and Pier 2				Description	Finger Plates		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	m	0.000	20.000	2.000	0.000			

Comments CR = 3

Light wear and abrasion.

Performance Deficiencies

7-Jammed Expansion Joint

46

Group	Joints					Length	7.32 (m)	
Element	Armoring/retaining devices					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	2.00	
Type	N/A					Quantity	15.000 (m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	At Piers 1 and 3				Description	Finger Plates		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	m	0.000	15.000	0.000	0.000			

Comments CR = 4

Light wear and abrasion, debris and gravel at the drain trough

Performance Deficiencies

7-Jammed Expansion Joint

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Bridge Inspection Form

Struct. ID	03B004
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Element Data

Group	Joints						Length	(m)
Element	Seals/sealants						Width	N/A 7.32 (m)
Span Num							Height	N/A (m)
Material	N/A						Count	2.00
Type	Compression seal						Quantity	15.000 (m)
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	At Piers 1 and 3					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	m	0.000	15.000	0.000	0.000			

Comments CR = 4

Performance Deficiencies
7-Jammed Expansion Joint

48

Group	Piers						Length	N/A (m)
Element	Bearings						Width	N/A (m)
Span Num							Height	N/A (m)
Material	N/A						Count	8.00
Type	Plate						Quantity	8.000 (Each)
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Center Pier/ Pier 2					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	0.000	0.000	8.000			

Comments CR = 7

Light corrosion. Most anchor bolts of bearings are sheared off and bearings are not functioning as designed. Should be monitored.

Performance Deficiencies
5-Seized Bearings

Recommended Work	Category	Timing	Quantity	Unit Cost	Total Cost (\$)
BG312 Rehab. Sliding Plate Bearing (ea)	None	1 - 5 year		3500	

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Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Piers	Length	N/A	(m)				
Element	Bearings	Width	N/A	(m)				
Span Num		Height	N/A	(m)				
Material	N/A	Count	4.00					
Type	Rocker	Quantity	4.000	(Each)				
Env't	Benign <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe <input type="checkbox"/>	Not Inspected	<input type="checkbox"/>					
Location	Pier 1 and 3	Description						
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	4.000	0.000	0.000			

Comments

CR = 3

Rock bearings of the Trusses. light corrosion. light spall around bearing seat grout.

Performance Deficiencies

0-None

50

Group	Piers	Length	0.99	(m)				
Element	Caps	Width	8.23	(m)				
Span Num		Height	1.07	(m)				
Material	Cast-in-place concrete	Count	1.00					
Type	N/A	Quantity	36.000	(Sq.m)				
Env't	Benign <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/>	Not Inspected	<input type="checkbox"/>					
Location	Center Pier	Description						
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	34.000	2.000	0.000			

Comments

CR = 4

Pier cap underside cracking, efflorescence, cracking between pier and pier cap, 2 sqm Medium scaling

Performance Deficiencies

0-None

51

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Piers					Length	1.22 (m)	
Element	Caps					Width	10.52 (m)	
Span Num						Height	1.22 (m)	
Material	Cast-in-place concrete					Count	2.00	
Type	N/A					Quantity	109.000 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	Pier 1 and 3				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	86.400	21.600	1.000			

Comments

CR = 5

Pier1: Spall at LHS approx. 1sqm, stain surface, Pier3: stain surface

Performance Deficiencies

0-None

52

Group	Piers					Length	0.76 (m)	
Element	Shafts/columns/Pile Bents					Width	0.76 (m)	
Span Num						Height	5.56 (m)	
Material	Cast-in-place concrete					Count	2.00	
Type	Conc rectangular columns with cap beam					Quantity	34.000 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	Center Pier				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	28.000	6.000	0.000			

Comments

CR = 2

Staining, efflorescence, transverse cracking, delamination, 20 m2 of patching, 6 m2 concrete separation

Performance Deficiencies

0-None

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Bridge Inspection Form

Struct. ID	03B004
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Element Data

Group	Piers						Length	1.88 (m)
Element	Shafts/columns/Pile Bents						Width	1.88 (m)
Span Num							Height	7.92 (m)
Material	Cast-in-place concrete						Count	4.00
Type	Conc rectangular columns with cap beam						Quantity	238.000 (Sq.m)
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	Pier 1 and 3					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	213.000	23.000	2.000			

Comments

CR = 2

Approx 2m2 light spall at Pier 1. Staining and efflorescence on the surface. Narrow to medium vertical noticed.

Performance Deficiencies

0-None

54

Group	Sidewalks/curbs						Length	199.38 (m)
Element	Curbs						Width	0.71 (m)
Span Num							Height	3.37 (m)
Material	Other						Count	2.00
Type	N/A						Quantity	1,628.000 (Sq.m)
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	On deck					Description	Steel grating	
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	0.000	814.000	814.000	0.000			

Comments

CR = 6

Light to medium corrosion of the cross bars.

Performance Deficiencies

8-Pedestrian/Vehicular Hazard

55

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Trusses/Arches					Length	39.60 (m)	
Element	Bottom chords					Width	0.31 (m)	
Span Num						Height	0.33 (m)	
Material	Steel					Count	2.00	
Type	N/A					Quantity	613.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 and T2				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	%	0.000	88.000	12.000	0.000			

Comments

CR = 3

Flaking and section loss less than 10% connection, bolts rusted, paint peeling.

Performance Deficiencies

1-Load Carrying Capacity

56

Group	Trusses/Arches					Length	N/A (m)	
Element	Connections					Width	N/A (m)	
Span Num						Height	N/A (m)	
Material	Steel					Count	80.00	
Type	N/A					Quantity	80.000 (Each)	
Env't	Benign <input type="checkbox"/>		Moderate <input checked="" type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 (Span 2)				Description	5/8" gusset plates		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Each	0.000	40.000	40.000	0.000			

Comments

CR = 4

Connections at bottom cord & piers, gusset plates & splices are light to medium corroded, flaking & less than 10% section loss. gussets, washers corroded & less than 10% section loss.

Performance Deficiencies

1-Load Carrying Capacity

57

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Trusses/Arches					Length	43.46 (m)	
Element	Top chords					Width	0.53 (m)	
Span Num						Height	0.38 (m)	
Material	Steel					Count	2.00	
Type	N/A					Quantity	1,274.000 (Sq.m)	
Env't	Benign <input checked="" type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 and T2					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	1,010.000	240.000	24.000	0.000			

Comments

Light rusting, minor paint peeling at some area

CR = 2

Performance Deficiencies

0-None

58

Group	Trusses/Arches					Length	0.23 (m)	
Element	Verticals/diagonals					Width	0.31 (m)	
Span Num						Height	55.47 (m)	
Material	Steel					Count	8.00	
Type	N/A					Quantity	948.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected	<input type="checkbox"/>
Location	T1 and T2					Description		
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	379.200	284.400	284.400	0.000			

Comments

Light rusting and paint peeling up to 6m height, flaking up to 3m height (splash zone). Top portion are in good condition.

CR = 3

Performance Deficiencies

0-None

59

Bridge Inspection Form

Struct. ID 03B004

Element Data

Group	Trusses/Arches					Length	44.43 (m)	
Element	Verticals/diagonals					Width	0.31 (m)	
Span Num						Height	0.27 (m)	
Material	Steel					Count	8.00	
Type	N/A					Quantity	818.000 (Sq.m)	
Env't	Benign <input type="checkbox"/>		Moderate <input type="checkbox"/>		Severe <input checked="" type="checkbox"/>		Not Inspected <input type="checkbox"/>	
Location	T1 and T2				Description			
Condition Data	Unit	Excellent	Good	Fair	Poor	V. Poor	Perform. Deficiencies	Maintenance Needs
	Sq.m	327.200	245.400	245.400	0.000			

Comments

CR = 3

Light corrosion and paint peeling up to 6m height, flaking up to 3m height (splash zone). Top portion are in good condition.

Performance Deficiencies

0-None



Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004

Recommended Work (Element Level)							
Element	Repair / Rehabilitation	Time					Estimated Cost (\$)
		None	Urgent	< 1 year	1 - 5 year	6 - 10 year	
Piers / Bearings / Plate	BG312 Rehab. Sliding Plate Bearing (ea)				X		
Decks / Deck top / Cast-in-place concrete on supports	CO203 Patch deck, w/p, and potholes						4,000
Decks / Deck top / Cast-in-place concrete on supports	CO203 Patch deck, w/p, and potholes				X		160,000
Total Cost							164,000

Recommended Work (Structure Level)		
Associated Work	Comments	Estimated Cost (\$)
Approaches		
Detours		
Other		
Traffic Control		
Utilities		
Total Cost		
Grand Total Cost:		\$164,000

Bridge Inspection Form

Struct. ID 03B004



Description Rock Bearing at Pier 3, pit on the steel	
Elem Grp/Class	Piers/Bearings
Elem Type	Hinge
Sub Element	
Material Type	
Locator	Above
Defect Descript1	Light
Defect Descript2	
Defect	Corrosion
Other	

File Name DSCN2202 (Medium).JPG



Description Floor beam at Span 1, pier 1, light corrosion	
Elem Grp/Class	Beams/ML'E's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2205 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Vertical L7U7, Span 4, D/S	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2206 (Medium).JPG



Description Floor Beam at Pier 1	
Elem Grp/Class	Beams/ML'E's/Floor Beams
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2208 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Span 2, Girder 4 at Pier 1, section loss 2mm, area 200x200mm

Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2209 (Medium).JPG



Description
Span 1, Floor beam at L10

Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2210 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Exterior girder at Span 2, typical	
Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2211 (Medium).JPG



Description Exterior girder and intermediate diaphragm are in good condition	
Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	Middle
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2214 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Floor Beam at Span 1, L10 (Pier 1) coat peeled, section loss 0.5mm on web	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2218 (Medium).JPG



Description Rock bearing at Pier1, U/S, functioning as intended	
Elem Grp/Class	Piers/Bearings
Elem Type	Hinge
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2221 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Debris on top of Pier 1	
Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2223 (Medium).JPG



Description Exterior girder at Span1, Pier 1 D/S, section loss 2mm area 100x100mm	
Elem Grp/Class	Beams/ML'E's/Girders
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2224 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Concrete in the exterior soffit had severe spalls and scaling with exposed corroded reinforcement throughout.

Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	Exterior
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2225 (Medium).JPG



Description
Anchor bolt bent at Span1, Pier 3, exterior girder 1(U/S)

Elem Grp/Class	Piers/Bearings
Elem Type	Plate
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2227 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Coat peeled, section loss up to 3mm near bolts , Span 4, D/S at U3L3	
Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2229 (Medium).JPG



Description Floor beam, have severe corrosion on the bottom of the web directly above the bottom flange. Section loss is 2-4 mm and is approx.. 10 mm high. Typical.	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2230 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description FloAnchor bolts of the girder bearings at Pier 3 are sheared off	
Elem Grp/Class	Piers/Bearings
Elem Type	Plate
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2231 (Medium).JPG



Description Gravel on the pier cap, Pier 2, D/S	
Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2237 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Anchor bolt at Girder 1, Span 2at Pier2, sheared off	
Elem Grp/Class	Piers/Bearings
Elem Type	Plate
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2240 (Medium).JPG



Description Exterior girder at Pier2, Span3, D/S, coat peeled, minor section loss	
Elem Grp/Class	Beams/ML'E's/Girders
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2243 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Deck soffit of the truss span, typical in good condition	
Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	Exterior
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2248 (Medium).JPG



Description Coat peeled and light corrosion at bottom chord without section loss	
Elem Grp/Class	Coatings/Structural Steel
Elem Type	Unknown
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2249 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Coat peeled and light corrosion of the girders at span 3, no section loss

Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	Middle
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2250 (Medium).JPG



Description
Light steel corrosion of the steel girder #4 (D/S) at end, Span 3, at Pier 3

Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2251 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description End floor beams at P3 has section loss of up to 1 mm on the web	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2254 (Medium).JPG



Description Coat peeled, light to medium section loss at floor beams at P3	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2258 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description light corrosion of the rock bearing at Pier 3 (D/S)	
Elem Grp/Class	Piers/Bearings
Elem Type	Hinge
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2260 (Medium).JPG



Description Concrete pier cap at P3 is in fair condition	
Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2265 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Girder1# (U/S) end support on end floor beam on P3	
Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2270 (Medium).JPG



Description Coat peeling at exterior girder. Concrete spalled at deck fascia	
Elem Grp/Class	Beams/MLE's/Girders
Elem Type	I type
Sub Element	Middle
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2271 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Underside of the sidewalk grating, typical light section loss	
Elem Grp/Class	Sidewalks/curbs/Curbs
Elem Type	
Sub Element	
Material Type	Other
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2272 (Medium).JPG



Description Rock earning at pier 3, U/S, light concrete spall of the grout pad.	
Elem Grp/Class	Piers/Bearings
Elem Type	Rocker
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2276 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description End floor beam at Pier 3 has section loss of up to 1 mm on the web, 100mm height	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2278 (Medium).JPG



Description Sway bracing at span4 and deck soffit, typical in fair condition	
Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2283 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Medium section loss at the bottom plate of Bearing at P3, U/S, concrete grout spalled	
Elem Grp/Class	Piers/Bearings
Elem Type	Hinge
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2285 (Medium).JPG



Description Steel girder anchor bolt sheared off , typical	
Elem Grp/Class	Piers/Bearings
Elem Type	Hinge
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2287 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Anchor bolts of the steel girder bearing at Pier 2 sheared off	
Elem Grp/Class	Piers/Bearings
Elem Type	Plate
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2289 (Medium).JPG



Description Looking from top, the truss elements are in good condition	
Elem Grp/Class	Trusses/Arches/Top chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2291 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Top chord at Span 1	
Elem Grp/Class	Trusses/Arches/Top chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2293 (Medium).JPG



Description Braces are in excellent condition	
Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2295 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Inspection of verticals, in good conditions	
Elem Grp/Class	Trusses/Arches/Verticals/diagonals
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2298 (Medium).JPG



Description Gusset plates and diagonals of Span 1 Truss at Pier 1, U/S	
Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4776 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Minor section loss on the gusset plates at Pier 1#, U/S	
Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4778 (Medium).JPG



Description End diagonal (L01) at Span 1 D/S, Coat peeled, no steel section loss.	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4780 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description	
Verticals looking inside, typical, coat failure at splash zone, minor section loss	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4781 (Medium).JPG



Description	
Vertical L9U9 at span1, U/S, minor section loss 1-2 mm at small area,	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4784 (Medium).JPG

Government of the Northwest Territories

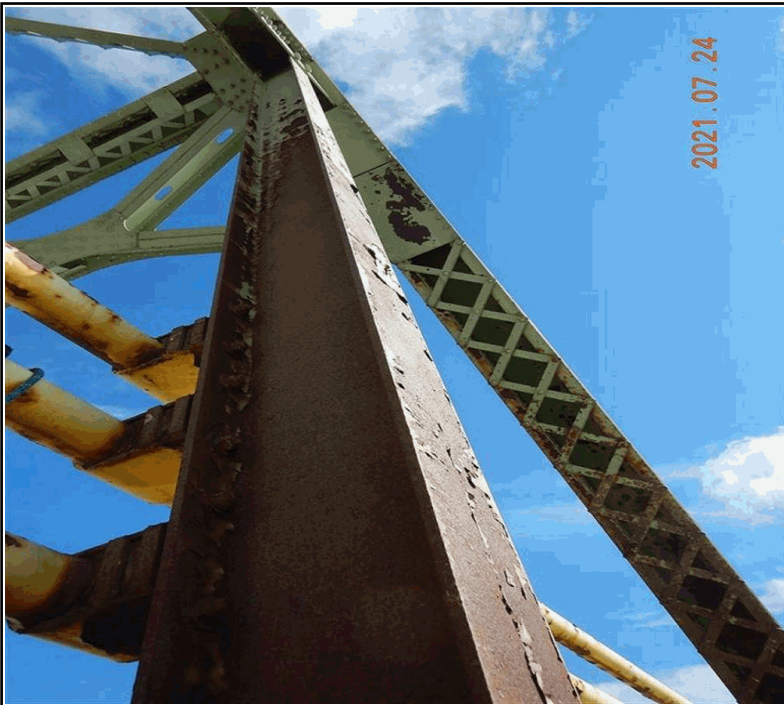
Bridge Inspection Form

Struct. ID 03B004



Description Floor beam typical, coat peeled, minor section loss	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4789 (Medium).JPG



Description Typical verticals, coating fail at splash zone, minor section loss	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4790 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Diagonal (L7U8) D/S, coating fail at splash zone, minor section loss

Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4802 (Medium).JPG



Description
Vertical U7L7, Span 1 , D/S, coating fail at splash zone, no section loss

Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4803 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Connection at L7 , Span 1, D/S

Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4805 (Medium).JPG



Description
Floor beam, at Span 1, L7, coating failed, minor section loss

Elem Grp/Class	Beams/ML'E's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4810 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description	
Bottom chord, Span 1, D/S, debris has been cleaned.	
Elem Grp/Class	Trusses/Arches/Bottom chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4814 (Medium).JPG



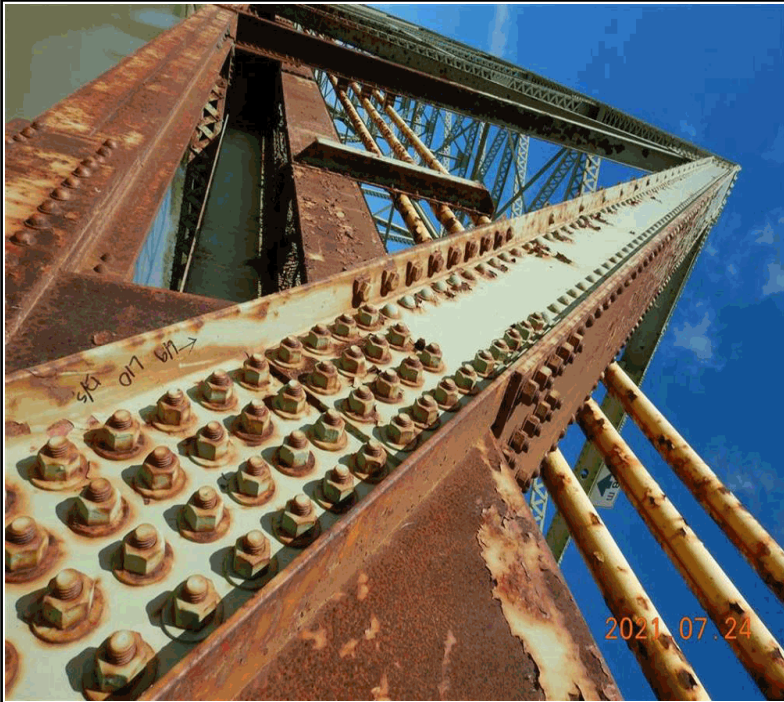
Description	
vertical L6U6, Span 1, D/S	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4816 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Diagonal L10U9, Span 1, D/S	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4840 (Medium).JPG



Description Bottom Chord, span 4 , D/S	
Elem Grp/Class	Trusses/Arches/Bottom chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4841 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Vertical U7L7, Span 2, D/S	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4870 (Medium).JPG



Description Diagonal L6U7, Span 2. D/S	
Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN4872 (Medium).JPG

Bridge Inspection Form

Struct. ID

03B004



Description

Span 1, Floor beam at L1U1, D/S, section loss 1mm, area 300x30mm

Elem Grp/Class

Beams/MLE's/Floor Beams

Elem Type

I type

Sub Element

End

Material Type

Steel

Locator

Defect Descript1

Defect Descript2

Defect

Other

File Name

DSCN9194 (Medium).JPG



Description

Span 1, Floor beam at L2U2, D/S, section loss 3-4mm, area 1000x90mm, bottom of the web

Elem Grp/Class

Beams/MLE's/Floor Beams

Elem Type

I type

Sub Element

Intermediate

Material Type

Steel

Locator

Defect Descript1

Defect Descript2

Defect

Other

File Name

DSCN9197 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

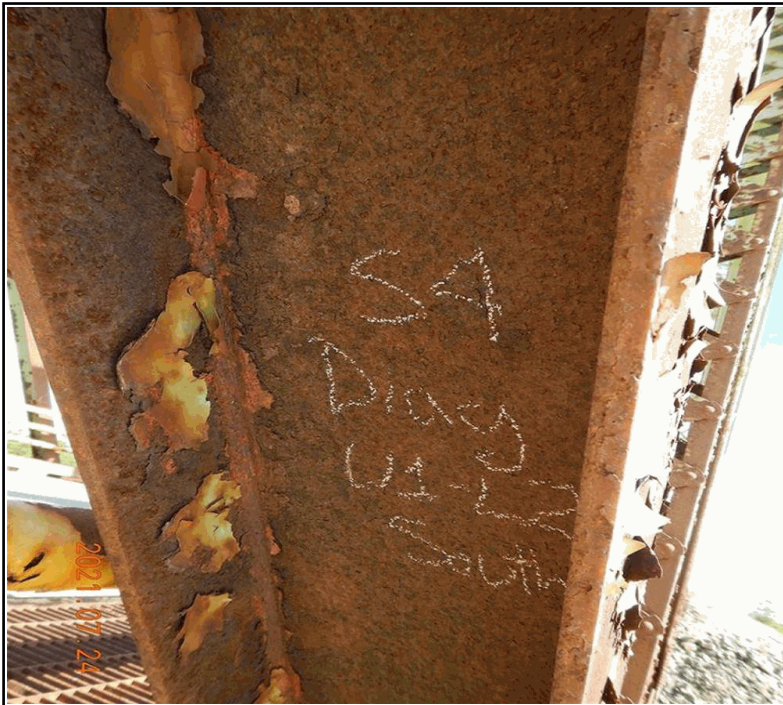
Struct. ID 03B004



Description
Elements near bearing (U/S) at abutment 1#, looking Southeast

Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN9204 (Medium).JPG



Description
Diagonal, U1U2 at Span 4, U/S

Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN9209 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Gusset plat at Span 4, L3, U/S section loss at bolt locations	
Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN9214 (Medium).JPG



Description Intermediate Floor Beams, on one face, have severe corrosion on the bottom of the web directly above the bottom flange. Section loss is 2-4 mm	
Elem Grp/Class	Beams/ML'E's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN9218 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Floor beam at Span 1, L1, U/S	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name frank_channel_ert_005 (Medium).JPG



Description Concrete in the exterior soffit had severe spalls and scaling with exposed corroded reinforcement throughout	
Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	Exterior
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name frank_channel_ert_009 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Bottom chord L3, at Span 1, D/S	
Elem Grp/Class	Trusses/Arches/Bottom chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name frank_channel_ert_011 (Medium).JPG



Description underside of sidewalk, steel grating, typical	
Elem Grp/Class	Sidewalks/curbs/Curbs
Elem Type	
Sub Element	
Material Type	Other
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name frank_channel_ert_016 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description coat peeled on the railing system and posts, typical. 8. Barrier post 4 on south side of bridge in span 4 is bent to the west.	
Elem Grp/Class	Barriers/Railing Systems
Elem Type	3 Rail Metal Railing - Steel
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name frank_channel_ert_018 (Medium).JPG



Description General view looking east	
Elem Grp/Class	Approaches/Wearing surface
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4072 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Concrete spalled with rebar exposed, Span 1	
Elem Grp/Class	Decks/Deck top
Elem Type	Cast-in-place concrete on supports
Sub Element	End
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4077 (Medium).JPG



Description Deck joints at Abutment 1	
Elem Grp/Class	Joints/Armoring/retaining devices
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4092 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Inspection of truss elements, U/S

Elem Grp/Class	Trusses/Arches/Bottom chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4108 (Medium).JPG



Description
Concrete spall at abutment wall

Elem Grp/Class	Abutments/Wingwalls
Elem Type	Reinforced concrete
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4110 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Concrete spall at bearing seat, Abut 1 U/S	
Elem Grp/Class	Abutments/Bearings
Elem Type	Rocker
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4111 (Medium).JPG



Description Abutment wall at Abut 1 is in good condition, heaslope slightly setteled	
Elem Grp/Class	Abutments/Abutment walls
Elem Type	Conventional closed
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4112 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description End floor beams at abutment 1 has section loss of 1 -2mm on the web.	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4118 (Medium).JPG



Description Gully at Abutment 1, D/S , bearing seat	
Elem Grp/Class	Abutments/Bearings
Elem Type	Rocker
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4121 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Debris/gravel on the drain trough, Abut 1	
Elem Grp/Class	Joints/Armoring/retaining devices
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4129 (Medium).JPG



Description Headslope without slope protection at Abutment1	
Elem Grp/Class	Embankments & Streams/Slope pr
Elem Type	
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4131 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Steel grating sidewalk, D/S looking east	
Elem Grp/Class	Sidewalks/curbs/Curbs
Elem Type	
Sub Element	
Material Type	Other
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4135 (Medium).JPG



Description Concrete parapet at Abutment 1, U/S	
Elem Grp/Class	Barriers/Posts
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4137 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Turndown end treatment W-Beam guardrail at Southeast	
Elem Grp/Class	Approaches/Sidewalk/Curb
Elem Type	Cast-in-place concrete
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4140 (Medium).JPG



Description River name sign at west approach	
Elem Grp/Class	Attachments, Signs, and Utilities/S
Elem Type	
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4142 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Chip seal wearing surface at Southeast	
Elem Grp/Class	Approaches/Wearing surface
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4143 (Medium).JPG



Description No connection and transition between bridge rail /parapet and W-beam guardrail at approach	
Elem Grp/Class	Barriers/Railing Systems
Elem Type	Steel Flex Beam on wood post
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4144 (Medium).JPG

Bridge Inspection Form

Struct. ID

03B004



Description

Wingwall and parapet at Northwest, Abutment 1, typical

Elem Grp/Class

Abutments/Wingwalls

Elem Type

Reinforced concrete

Sub Element

Material Type

Cast-in-place concrete

Locator

Defect Descript1

Defect Descript2

Defect

Other

File Name

IMG_4149 (Medium).JPG



Description

Concrete spall at bearing seat, Abutment 2, Southeast has been repaired

Elem Grp/Class

Abutments/Bearings

Elem Type

Rocker

Sub Element

Material Type

Locator

Defect Descript1

Defect Descript2

Defect

Other

File Name

IMG_4151 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Rust pack at Abutment 1, D/S	
Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	End
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4153 (Medium).JPG



Description Abutment 2 roof slab, concrete in good condition	
Elem Grp/Class	Approaches/Approach slabs
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4155 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description efflorescence on the underside of roof slab at Abutment 2	
Elem Grp/Class	Approaches/Approach slabs
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4156 (Medium).JPG



Description Stain of the rust rebar on the backwall	
Elem Grp/Class	Abutments/Abutment walls
Elem Type	Conventional closed
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4157 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Rock bearing at Abut 2, D/S, rotated toward abutment	
Elem Grp/Class	Abutments/Bearings
Elem Type	Rocker
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4158 (Medium).JPG



Description Wingwall at Northeast	
Elem Grp/Class	Abutments/Wingwalls
Elem Type	Reinforced concrete
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4160 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Bearing at Abutment 2, U/S, light corrosion	
Elem Grp/Class	Abutments/Bearings
Elem Type	Rocker
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4161 (Medium).JPG



Description Pier 3, looking east	
Elem Grp/Class	Piers/Shafts/columns/Pile Bents
Elem Type	Conc rectangular columns with cap
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4174 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Pier 2, fair condition	
Elem Grp/Class Elem Type Sub Element Material Type Locator Defect Descript1 Defect Descript2 Defect Other	Piers/Caps Cast-in-place concrete

File Name IMG_4176 (Medium).JPG



Description Span 2, typical girders and deck soffit	
Elem Grp/Class Elem Type Sub Element Material Type Locator Defect Descript1 Defect Descript2 Defect Other	Decks/Soffit - Thin Slab Interior Cast-in-place concrete

File Name IMG_4180 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Abutment 2, head slope protection and deck soffit of the Span 4, looking east

Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	End
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4187 (Medium).JPG



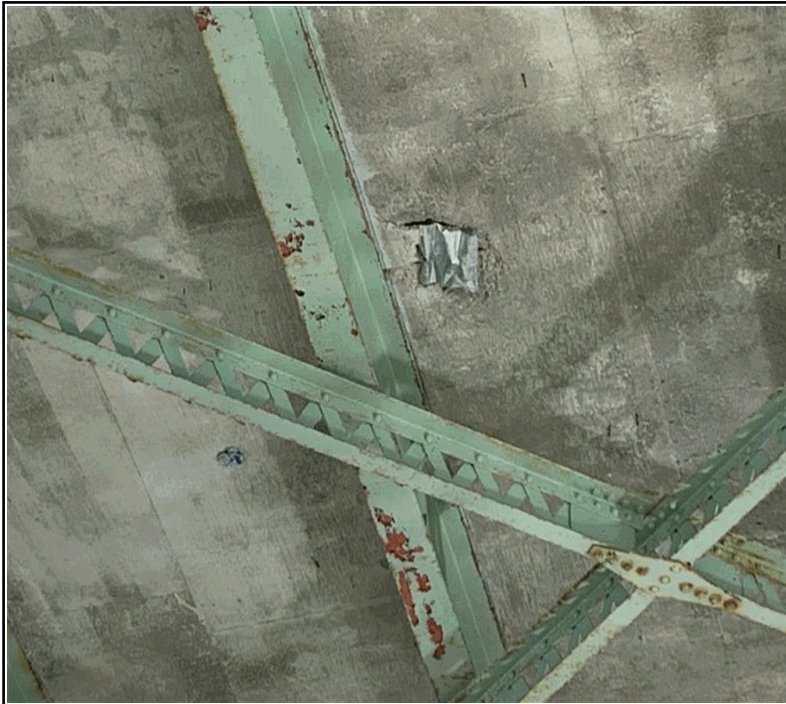
Description
Connection of the bottom chord/floor beam and braces, light corrosion typical

Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4190 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Punch through hole at the span 1, 200mmx200mm, repaired

Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	Interior
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4194 (Medium).JPG



Description
Pier 1 looking east

Elem Grp/Class	Piers/Shafts/columns/Pile Bents
Elem Type	Conc rectangular columns with cap
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4204 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Deck soffit at Near Pier 1, good condition	
Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	End
Sub Element	Cast-in-place concrete
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4205 (Medium).JPG



Description Pier 1	
Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	Cast-in-place concrete
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4206 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Underside of the Span1, looking west	
Elem Grp/Class	Beams/MLE's/Stringers
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4207 (Medium).JPG



Description Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout.	
Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	Exterior
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4218 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout.

Elem Grp/Class	Decks/Soffit - Thin Slab
Elem Type	
Sub Element	Exterior
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4219 (Medium).JPG



Description
Pier cap at Pier 3, concrete spalls at D/S

Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4227 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Pier cap at Pier 3, concrete spalls at U/S

Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4228 (Medium).JPG



Description
General view looking north

Elem Grp/Class	Trusses/Arches/Top chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4231 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description General view looking south	
Elem Grp/Class	Trusses/Arches/Top chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4243 (Medium).JPG



Description Patching area and delamination area at Span 2	
Elem Grp/Class	Decks/Deck top
Elem Type	Cast-in-place concrete on supports
Sub Element	Middle
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4246 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Concrete spall are 300x 500mm

Elem Grp/Class	Decks/Deck top
Elem Type	Cast-in-place concrete on supports
Sub Element	Middle
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4253 (Medium).JPG



Description
Concrete spall at Span 1, U/S

Elem Grp/Class	Decks/Deck top
Elem Type	Cast-in-place concrete on supports
Sub Element	Middle
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4254 (Medium).JPG

Bridge Inspection Form

Struct. ID

03B004



Description

Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout

Elem Grp/Class

Decks/Soffit - Thin Slab

Elem Type

Sub Element

Exterior

Material Type

Cast-in-place concrete

Locator

Defect Descript1

Defect Descript2

Defect

Other

File Name

IMG_4258 (Medium).JPG



Description

Concrete in the exterior soffits had severe spalls and scaling with exposed corroded reinforcement throughout

Elem Grp/Class

Decks/Soffit - Thin Slab

Elem Type

Sub Element

Exterior

Material Type

Cast-in-place concrete

Locator

Defect Descript1

Defect Descript2

Defect

Other

File Name

IMG_4262 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Concrete spall with exposed rebar at Abutment 2, U/S	
Elem Grp/Class	Barriers/Posts
Elem Type	Cast-in-place concrete
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4263 (Medium).JPG



Description Patching area and delamination area at Span 4	
Elem Grp/Class	Decks/Deck top
Elem Type	Cast-in-place concrete on supports
Sub Element	Middle
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4270 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Concrete wearing surface at Span 1, looking west	
Elem Grp/Class	Decks/Deck top
Elem Type	Cast-in-place concrete on supports
Sub Element	Middle
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4282 (Medium).JPG



Description Steel grating sidewalk, light corrosion	
Elem Grp/Class	Sidewalks/curbs/Curbs
Elem Type	
Sub Element	
Material Type	Other
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4284 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Typical bridge rail post, typical	
Elem Grp/Class	Barriers/Posts
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4290 (Medium).JPG



Description Top railing, coat peeled, light corrosion, no section loss	
Elem Grp/Class	Barriers/Railing Systems
Elem Type	3 Rail Metal Railing - Steel
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4300 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Inspection of the truss elements, span 1, U/S	
Elem Grp/Class	Trusses/Arches/Verticals/diagonals
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4308 (Medium).JPG



Description Deck joint drain trough at Abut 2	
Elem Grp/Class	Joints/Armoring/retaining devices
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4311 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Span 1 @ U1 portal frame has impact damage

Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4312 (Medium).JPG



Description
Underside of diagonals have light to medium corrosion throughout at splash zone

Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4324 (Medium).JPG

Government of the Northwest Territories

Bridge Inspection Form

Struct. ID 03B004



Description Coat peeled and failed	
Elem Grp/Class	Coatings/Railing Systems / Hand F
Elem Type	Unknown
Sub Element	
Material Type	
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4326 (Medium).JPG



Description Inspection of the truss elements, top portion of the truss elements are in excellent condition	
Elem Grp/Class	Trusses/Arches/Top chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4337 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Typical stringers and connection to the floor beam

Elem Grp/Class	Beams/MLE's/Stringers
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001955 (Medium).JPG



Description
Debris/gravel at bottom chord

Elem Grp/Class	Trusses/Arches/Bottom chords
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001958 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description
Severe corrosion on the bottom of the web directly above the bottom flange. Section loss is 2-4 mm

Elem Grp/Class	Beams/ML'E's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001959 (Medium).JPG



Description
L8U9 at Span 4, D/S

Elem Grp/Class	Trusses/Arches/Verticals/diagonal:
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001961 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Floor beam at Span 4, 4mm section loss at bottom of web	
Elem Grp/Class	Beams/MLE's/Floor Beams
Elem Type	I type
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001982 (Medium).JPG



Description Elements on top portion of the truss (Span 1) are in excellent condition	
Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001986 (Medium).JPG

Bridge Inspection Form

Struct. ID 03B004



Description Elements on top portion of the truss (Span 4) are in excellent condition	
Elem Grp/Class	Bracing/Bracing
Elem Type	
Sub Element	Intermediate
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001992 (Medium).JPG



Description Connection of top chords, verticals and diagonals, excellent condition	
Elem Grp/Class	Trusses/Arches/Connections
Elem Type	
Sub Element	
Material Type	Steel
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name JD001994 (Medium).JPG

Bridge Inspection Form

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Description Pier 1, concrete spall 0.5x 0.5 sqm	
Elem Grp/Class	Piers/Caps
Elem Type	
Sub Element	
Material Type	Cast-in-place concrete
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name DSCN2203 (Medium).JPG



Description Survey benchmark on the curb (U?S) Span 1	
Elem Grp/Class	Sidewalks/curbs/Curbs
Elem Type	
Sub Element	
Material Type	Other
Locator	
Defect Descript1	
Defect Descript2	
Defect	
Other	

File Name IMG_4301 (Medium).JPG



Government of the Northwest Territories

Bridge Inspection Form

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