BIM INSPECTION FORMS

Bridge Types

1

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There are 2 Types of Bridge Inspectors – Class B and Class A

- · Class B inspectors can only inspect Standard Bridges, Culverts and WCTS
- Class A Inspectors can inspect Major & Standard Bridges, Culverts, Signs, & WCTS

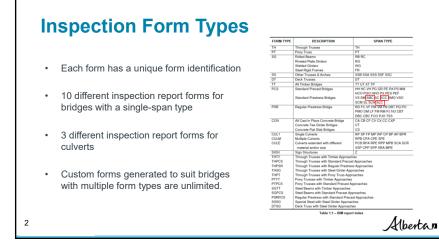
Definition of a Standard Bridge - Bridges that are built using standard components and Standard Drawings (exception is standard girder bridges with composite decks – SM<u>C</u>, SC<u>C</u>, SL<u>C</u> – which are considered as major bridges)

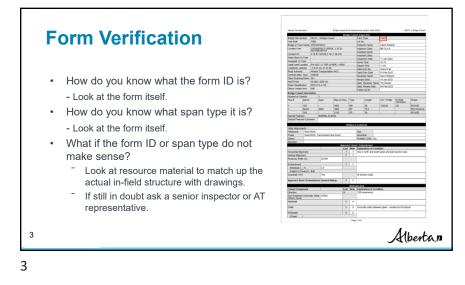
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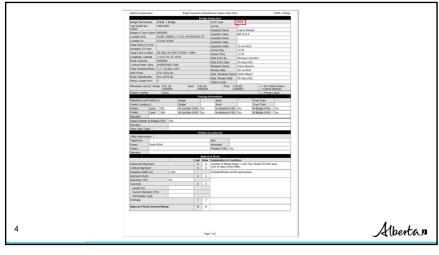
Definition of a Major Bridge - Bridges that are not built with Standard Drawings

For a listing of all current and archived drawings refer to: https://www.alberta.ca/bridges-and-structures-standard-and-typical-detail-drawings.aspx

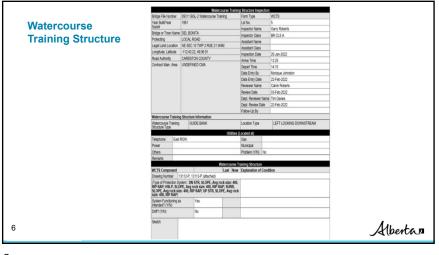
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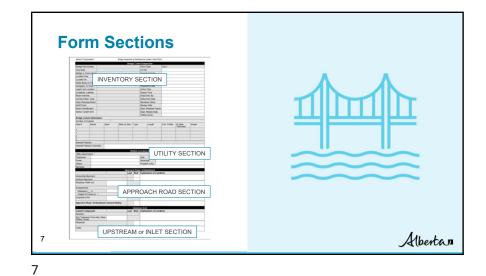






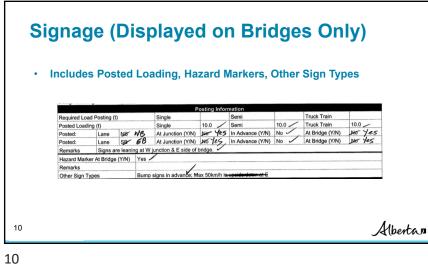




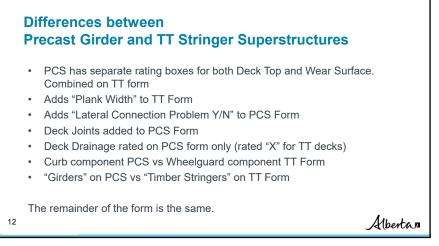


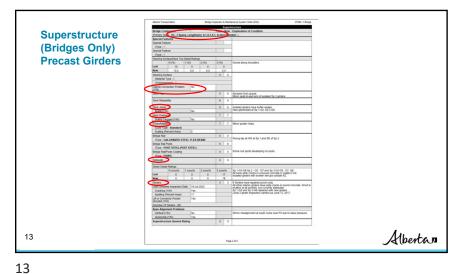
Brid	lge & (Culve	ert Fo	rms	
	Form Section	Bridge	Culvert		
	Inventory	Similar	Similar		
	Signing	Bridges Only	N/A		
	Utility	Identical	Identical		
	Approach	Similar	Similar		
	Superstrucutre	Bridges Only	N/A		
	Inlet	N/A	Same as Outlet		
	Barrel	N/A	Culverts Only		
	Outlet	N/A	Same as Inlet		
	Substructure	Bridges Only	N/A		
	Channel or	Similar	Similar		
	Grade Separation	Identical	Identical		
	Maintenance	Similar	Similar		
	AT Management	Identical	Identical		

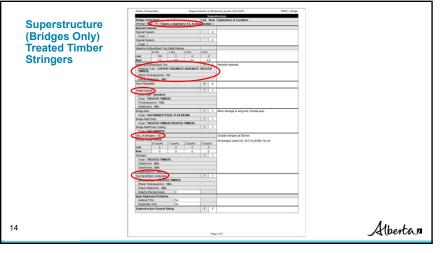
iberta Transportation												
iberta Transportation	Bridge Inspection & Mains	enance System (Web 2021)	é internet de la companya de la comp	09588 -2 Bridge	Alberta Transporta	tion	Bridge	nspection & Mainte	nance System (Web 2005)	70576 -1 Bri	fge Culvert
Contraction of the second	Bridge Is	nspection	the second s					Bridge C	ulvert Inspection			
	8 ,2 Bridge		PCS		Bridge File Numb		6 -1 Bridge Culve	1/	Form Type	CUL1		
ear Built/Year 2004/	/2004 /	Lot No.	2		Year Built	1963			Lot No.	10 11		
idge or Town Name DOG		Inspector Name	Calvin Roberts		Bridge or Town N			FHILLS CREEK	Inspector Name	6. R.	a	
		Inspector Class	Α		Located Over	TRIE 3.50	2.14. WATERCR	EEHILLS CREEK;	Inspector Class	(1.)	4	
ocated Over DOGR	POUND CREEK, 3 89.8, WATERCRS-	Assistant Name			Located On		AL ROAD	201	Assistant Name			
ocated On LOCA	AL ROAD	Assistant Class			Water Body CL/Y				Assistant Class	OCT 6	lut	
Vater Body CL/Year		Inspection Date	March 9/21		Navigabil, CL/Yes				Inspection Date Arrive Time	5:15	17	
avigabil. Cl./Year		Arrive Time	12:05		Legal Land Locat		SEC 25 TWP 32 P	GE 25 W4M	Depart Time	6:30		
	SEC 18 TWP 29 RGE 3 W5M	Depart Time	13:25		Longitude, Letitus		25:48.51:46:11		Data Entry By	0.20	bod	
	24.43. 51 28 58	Data Entry By	Ale et		Road Authority	KNE	EHILL COUNTY	/	Data Entry Date	-		
	NTAIN VIEW COLINTY	Data Entry Date	B. Red 29/	21	Contract Main, Ar	tea UND	EFINED CMA		Reviewer Name			
	EFINED CMA	Reviewer Name	Bi Olate		Clear Roadway/S	low 9.6/	20 deg. (RHF) -		Review Date			
	EPINED CMA	Review Date	March 14/1		AADT/Year	250	2005 (E) 20	44	Dect. Reviewer Nam			
lear Roadway/Skew 8.9 /		Dept. Reviewer Name	puante 17/1	v v	Road Classificati	n RLU	-208-100 /		Dept. Review Date	0		
	1606(E) 202/	Dept. Review Date			Detour Length (kr	n) 3	/		Follow-Up By			
	208-100	Follow-Up By			Bridge Culvert Is	formation			10000 00 00			
etour Length (km) 3					Number of Culve		1 -					
lowable Load (1) Single C		Train CS	>Critical M		Pipe # B	arrel	Span	Rise (or Dia.) Ty		Corr. Profile	PL/Stab Thickness	Shape
esign Loading: C	C\$750		> Primary	Span		AN	2973	2007 - RI	PP 25.2	152051 -	4.0	PIPE ARCH
					Special Features		VERT TIMBER	STRUTS	· · · · · · · · · · · · · · · · · · ·			
					Special Features							

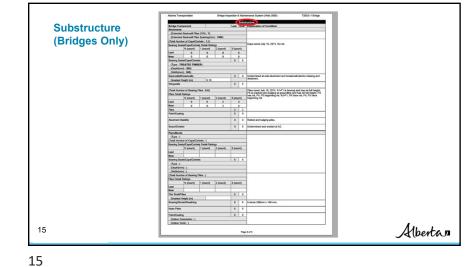


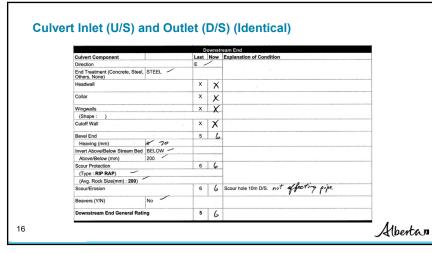
		Bridges				
		lities (Located at)				
Utility Attachm						
Telephone	Fibre optics East ROW.	Gas	50m South.			
Power Others	Over A2 and East ROW. Conduit along E girder & corroding in several at Sp3,Sp4.	Municipal spots Problem (Y/N)	Yes			
Remarks	Light standard at West curb. Loose cables at old light standard. Lower conduit separated & drooping.					
- Road Barrier Barrier	Utili	ties (Located at)	The local production of the local sectors in the			
Jtility Attachme	ints					
Telephone	In area / /	Gas	In area			
ower	North row and loose in barrel.	Municipal	Storm drain at NE			
Others	Street lights	Problem (Y/N)	Yes No			
Remarks	Power cable from SW streetlight laying loose of					

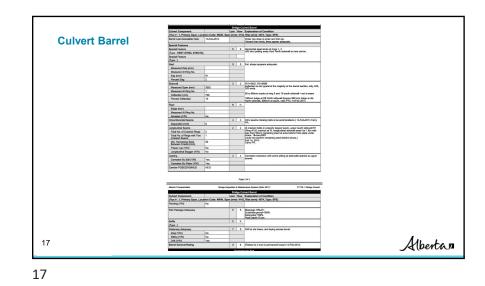


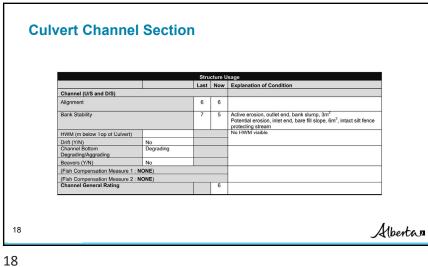


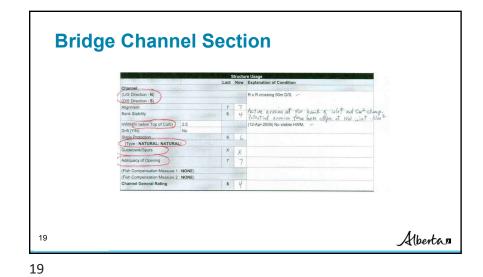


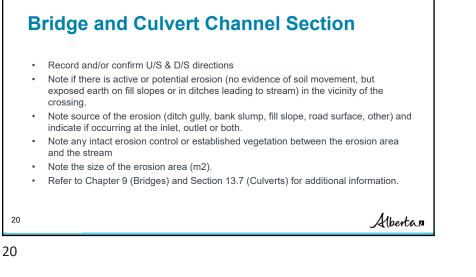


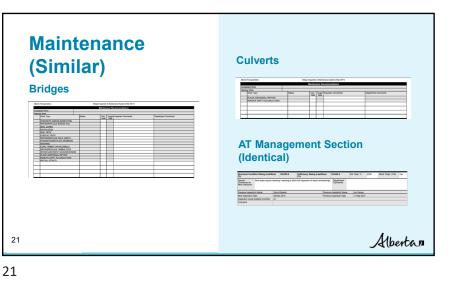




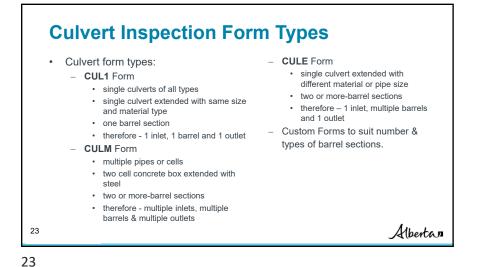








enance Work Ty		
LEVEL1 INSPECTION	CORE TIMBER CAPS/CORBELS	
CONCRETE DECK INSPECTION	REPAIR/REPLACE TIMBER CAPS	
CONCRETE GIRDER INSPECTION	REPAIR ABUTMENT SCOUR/EROSION	
VERTICAL CLEARANCE MEASUREMENT	PLACE ADDITIONAL RIP RAP	
CHLORIDE TESTING	REMOVE DRIFT ACCUMULATION	
COPPER SULPHATE ELECTRODE TESTING	INSTALL CATHODIC PROTECTION	
PAINT INSPECTION	INSTALL CONCRETE/STEEL LINING	
STEEL CULVERT BARREL MEASUREMENT	INSTALL STRUTS	
SPECIAL STRUCTURE MONITOR	INSTALL CONCRETE COLLAR/CUTOFF	
ULTRASONIC TRUSS INSPECTION	REPAIR SEAMS	
SCOUR SURVEY INSPECTION	OBTAIN CORROSION ANALYSIS DATA	
REPAIR/REPLACE BRIDGERAIL	REPAIR/REPLACE SIGNING	
GALVANIZE/PAINT BRIDGERAIL	PATCH/REPAIR ACCESS PLATFORM	
RETROFIT BRIDGERAIL	ADJUST/PAINT PEDESTAL BEARING AREA	
SEAL CURBS	OTHER ACTION	
PATCH DECK	REPAIR/REPLACE TIMBER CORBELS	
SEAL DECK	REPAIR/REPLACE TIMBER PILES	
OVERLAY DECK	LOAD POST BRIDGE	
REPAIR/REPLACE DECK JOINTS	REPLACE MEMBERS	
REPLACE STRIP DECK	STRAIGHTEN MEMBERS	
REPLACE SUB DECK	REPAIR MEMBERS	
RESET/ PAINT BEARINGS	INSTALL BOLTS	
REPAINT SUPERSTRUCTURE	REPAIR BEARINGS	
STRAIGHTEN/REPLACE MEMBERS	CRACK REPAIRS/TREATMENT	
WASHING	PATCH CURBS/PARPETS	
FILL BOLT HOLES	REPAIR STRUTS	
SHOTCRETE REPAIRS	REPLACE CULVERT	1



Form Features

- Tailored to the span type or types of the particular structure.
- Contain full descriptions and full comments, no codes are required.
- Shows inventory data needed for a proper inspection.
- Provides the design and allowable loads and critical member.
- Allows for condition rating of elements and explanation.

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Form Features

- Allows for general rating of each major category.
- Provides a list of typical maintenance items.
- Provides for special comments or instructions for the next inspection.
- Provides for programming, scheduling, cost estimation, authorization and tracking of maintenance.

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- Repeats previous inspection data for inspector's information.
- Albertan

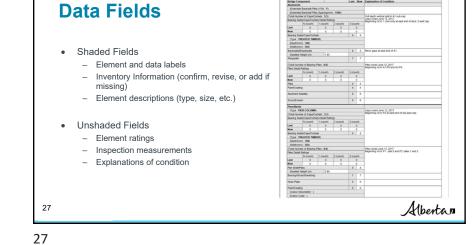
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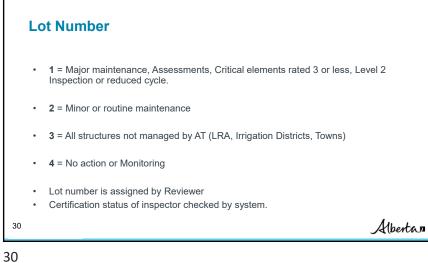
- Provides sufficiency rating and structural condition ratings based on inspection data.
- Clearly indicates if a bridge element is not accessible or not applicable.
- · A logical sequence to facilitate the inspection process.
- Provides for 2 levels of inspection.

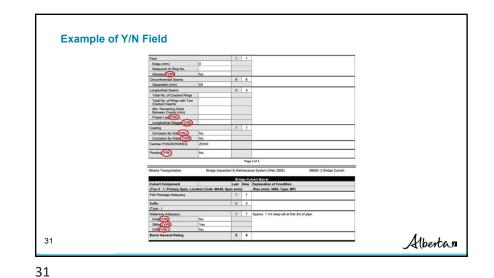
26 Albertan

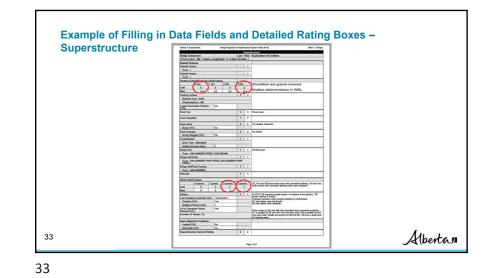


		Bridge Inspection	
Bridge File Number	•		
Year Built			
Bridge or Town Nar	ne		
Located Over			
Located On			
Water Body Cl./Yea	r		
Navigabil. Cl./Year			
Legal Land Locatio			
Longitude, Latitude	Future		
Road Authority			
Contract Main. Area	a		
Clear Roadway/Ske	ew		
AADT/Year			
Road Classification			
Detour Length (km)			

Bridge File Number	81800 NW-1 Bridge	Form Type	CON	
Year Built/Year	81800 NW-1 Bridge 1993/1993	Lot No.	2	_
Supstr	1993(1993		Z Garry Roberts	
Bridge or Town Name	CALGARY BEDD	Inspector Name Inspector Class	BR CLS A	
Located Over	2:15 R1 42.207;2:15 L1 42.314	Assistant Name	Jon Davies	
Located On	772:01 R1 0.886		BR CLS B	
Water Body CI./Year		Inspection Date	11-Sep-2014	-
Navigabil. Cl./Year		Arrive Time	11:20	
Legal Land Location	SE SEC 15 TWP 25 RGE 1 W5M	Depart Time	13:15	-
Longitude, Latitude	-114:02:54, 51:07:34	Data Entry By	Nancy Remus-Everitt	-
Road Authority	Alberta Transportation (AIT)	Data Entry Date	29-Sep-2014	
Contract Main. Area	DEERFOOT/STONEY	Reviewer Name	Ash Morjaria	
Clear Roadway/Skew		Review Date	18-Sep-2014	
AADT/Year	22,309 / 2001 (E)	Dept. Reviewer Name		
Road Classification	RLU-208-100	Dept. Review Date	03-Oct-2014	
Detour Length (km)	999	Follow-Up By		







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