BENCHMARK STATE OF ILLINOIS FLEVATION DESCRIPTION DEPARTMENT OF TRANSPORTATION Standard Disk set vertically in the face 232.892 of the Pecatonica Produce & Supply building. Station 30+829.88, 27.4m Rt. Remove Timber Deck and Existing Steel EXISTING STRUCTURE: Timber Deck on Stringers. Paid as REMOVAL OF FXISTING SUPERSTRUCTURE. Original Railroad Steel Stringers set on Limestone Abutments. 6.096m Rails 2.438m Wing Path 2.259m 1.613m 1.613m 2.438m Wing Typical Except NE 2.53m at Top -- Proposed Grade Line 230.834 2.26m at Bottom 6.940m 610mmø FI. 228.537 2.43% 1.524m Remove Limestone Block from back Fl. 228.241 Abutment (Typ.) both sides. Cost is incidental to REMOVAL OF EXISTING SBE 228.52 566666666 -Flowable Fill (Typ.) SUPERSTRUCTURE. ELEVATION See Note NOT TO SCALE -Pre-cast or C.I.P. toe-wall End of End Sect. Stone RipRap Class A4, Typ. both ends DESIGN LOADING Note: Bedding ±150mm thick consisting Pedestrian/Bicycle = 4.07KN/m² (85 psf) of CA-2 Aggregate shall be placed after 228.241 Pre-cast or C.I.P. concrete toe-wall excavating to provide a uniform support surface. The cost shall be considered incidental to STRUCTURE EXCAVATION. 305mm X 914mm, included in the cost of the End Section. (Typical both ends HIGHWAY CLASSIFICATION Functional Class: Multi-Use Path CAUTION DESIGN SPECIFICATIONS Paye to end of existing walkway with PCC Sidewalk. Thicken edge OVERHEAD 2002 AASHTO "Standard Specifications for Highway Bridges WIRES to 9" at end of pedestrian - 17th Edition 1997 AASHTO "Guide Specifications for Design of Pedestrian Bridges" DESIGN STRESSES PRECAST UNITS f'c = 35 MPa (5,000 psi) - Precast Concrete fy = 450 MPa (65,000 psi) - Reinforcement (Welded Wire)

Remove existing steel stringers and dispose of off-site.

Wood Rail (Typ.)

NOT TO SCALE

End of End Sect

£ Poth

Place high slump concrete flowable fill

between the pre-cast box and the limestone abutment walls. The cost shall be included in

Existing 914mm (36")

PLAN

Concrete Pipe

the unit cost of the PRE-CAST CONCRETE BOX CULVERT 1.5M X 1.5M.

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.0325g Site Coefficient (s) = 1.0

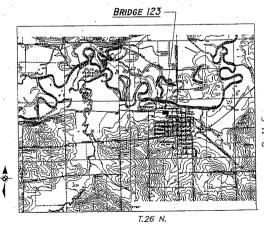
12mm Typ.

BRIDGE 123 GENERAL NOTES

- 1. Refer to "BRIDGE GENERAL NOTES" Sheet for additional Wood Railing GENERAL NOTES.
- 2. The Contractor shall remove all elements of the existing Timber Decking and properly dispose of it off-site. This includes: Transverse Railroad Ties, Timber Walkway, Steel Angle, Steel Stringers, Timber Bearing Supports, Excess Limestone Blocks, and any other items as applicable to the existing Timber Decking which is necessary. All Items to be removed shall be disposed of in conformance with the requirements of Section 202.03 of the IDOT Standard Specifications. All material and labor necessary to complete this item of work shall be included in the Contract Unit Price for REMOVAL OF EXISTING SUPERSTRUCTURE with no additional componention.
- All tree removal and selective brush clearing shall be in accordance with the Plans and Special Provisions or as directed by the Engineer. TREE REMOVAL and SELECTIVE CLEARING will be measured and paid for at the Contract Unit Price for the respective individual items.
- The Contractor shall furnish and install a brass Name Plate in accordance with the Section 515 of the IDOT Standard Specifications except that it shall be installed with four (4) tamper of the IDUT Standard Specifications except that it shall be installed with four (4) tamper resistant screws to the top timber bridge rail on the right hand side side of the approach end while looking in the direction of increasing Stationing. The plate shall be made of solid brass 3mm thick with imprinted stamp lettering 6mm high. This item will be measured and paid at the Contract Unit Price EACH for NAME PLATE.
- All Pre-Cast Concrete products shall be in accordance with 540.06 of the Standard Specifications for Road and Bridge Construction. Payment for Pre-cast Box Culvert will be made in Meters and payment for Pre-cast End Sections will be made per Each.
- Wood Rail shall be constructed as shown on the plan details and because it is not physically part of the Box Culvert structure, it will be paid for in meters. See "Bridge Details" Sheet for
- Any void areas between the existing limestone abutments and the outside face of the Pre-cast Concrete Box Culvert shall be filled with a high slump concrete flowable fill to the top of the concrete box. The cost of this work shall be incidental to the unit price for PRE-CAST CONCRETE BOX CULVERT 1.5M X 1.5M.
- 8. The excess limestone blocks shall be removed and disposed of by the Contractor. Any time excess timestone blocks shall be removed and disposed of by the controlled. Find the first shall be removed to the satisfaction of the Engineer. The cost of this work shall be included in the unit cost for Structure Excavation. A 100mm (minimum) layer of fine aggregate bedding shall be placed below the pre-cast box culvert sections to maintain uniform support. The cost of this work shall be included in the unit cost for PRE-CAST CONCRETE BOX CULVERT 1.5M X 1.5M.
- 9. Lifting holes and joints shall be sealed in accordance with Section 540.06 of the Standard

TOTAL BILL OF MATERIALS

ITEM	UNITS	TOTAL
Removal of Existing Superstructure	Each	1
Pre—cast Concrete Box Culvert, 1.5m X 1.5m	Meter	8,54
Box Culvert End Sections, Culvert No.1	Each	2
Structure Excavation	Cu. M.	8.1
Stone RipRap Class A4	Sq. M.	9
Wood Rail	Meter	27.9
Name Plate	Each	1
Monodirectional Prismatic Barrier Reflectors	Each	12
Porous Granular Embankment	Cu. M.	21
PCC Sidewalk, 100mm	Sq. M.	. 2.9



LOCATION SKETCH



GENERAL PLAN & ELEVATION BRIDGE 123 OVER A DITCH TRIBUTARY TO THE PECATONICA RIVER WINNEBAGO COUNTY SECTION NO. 94-00267-00-BT STATION 30+528.14 SHEET | OF |

JOB: 04-30-10-042

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RRIDGE 123

2012 VINNEBAGO CO STATION

30+528.14

NAME PLATE

LOADING H-10

	BRIDGE	NO.	123	GP&E		
NEBAGO COIN	PECATO	NICA P	RAIRIE	PATH	SECTION	94-00267-00-BT

SHEET, NO. 91 OF 107

			1		DDIDOE NO 107 CDO
	SHEET REVIEW	REVISIONS	SCALE: 1:500	McClure	BRIDGE NO. 123 GP&
	AGENCY DATE	NO. STEM DATE -	DRAWN BY: KTS, PLH	Enningering desociates inc	PECATONICA PRAIRIE PATH
			CHECKED BY: JWH	7282 Argus Drive Rockford, Illinois 61107-5837	WINNEBAGO COUNTY HIGHWAY DEPARTMENT
			DATE: DECEMBER 12, 2011	Design Firm License, Illinois 184-000816	FILE:H:\10-042 WINN CO PEC PATH\DESIGN\DRAWINGS\BRIDGES\10-042 B123.DWG
			1 [Copyright 2011 By McClure Engineering Associates, inc	

+0.210%

STRUCTURE

Keep Text Within 12mm of Edge

PROFILE GRADE