



DATE	BY	CHKD	APPD	SHEET NO.
F.A.I. RT. 74-SEC. 48-25B	KNOX	20	5	12 OF 23

GENERAL NOTES
 Class "X" concrete shall be used throughout.
 The concrete floor slab shall be finished in accordance with Article 519 of the Standard Specifications.
 Slope walls shall be reinforced with with welded wire fabric 6x6 mesh, #4 wires weighing 38 lbs per 100 sq ft.
 Layout of slope walls may be varied to suit ground conditions in the field as directed by the Engineer.
 All bolsters, rollers, rollers, bearing plates, lead plates, piles and anchor bolts shall be fabricated and set in accordance with Article 515 of the Standard Specifications and are included in quantity of structural steel. Est. weight = 17,920.
 Expansion guards shall be fabricated and set in place and are included in quantity of structural steel. Est. weight = 1,000.
 The exposed faces of the expansion guards shall be given two shop coats of red lead paint & two field coats of aluminum paint. See Article 561 to 563 inclusive of the Standard Specifications.
 All paint shall be furnished & applied by the contractor involved.
 The contractor shall drive four test piles in the pertinent locations. See sheets B & C for details.
 Coarse aggregate to be used in end post & ramp must be absolutely free of chert, limonite, lignite and soft sandstone.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class "X" Concrete	Cu Yds	20,320	290	20,610
Structural Steel	Lbs	600	1,280	1,880
Class "X" Concrete Reinforcement Bars	Lbs	12,840	1,170	14,010
Concrete	Cu Yds	2	2	4
Test Piles (Concrete)	cu	2	2	4
Expansion Piles	cu ft	360	360	720
Name Plates	sq ft	4,520	4,520	9,040
Slope Wall (C)	sq ft	1,230	1,230	2,460
Protective Coat	sq ft	463	463	926
Aluminum Handrail	lb	1,160	1,160	2,320
Precast Concrete Piles	cu	2	2	4
Test Piles (Steel)	cu	1	1	2
Bridge Sill Sealant	lb	1	1	2

STATION (#1) BUILT 196 BY STATE OF ILLINOIS F.A.I. RT. 74-SEC. 48-25B F.A. PROJ. F.74-2141E LOADING HISCOX CANT.

NAME PLATE
 See Standard Specifications Lettering
 * Sta. 417+0.5 E. Bridge
 * Sta. 416+10.4 W. Bridge

PROJECT F.74-24138 GENERAL PLAN & ELEVATION OVER HENDERSON CREEK AT F.A.I. RT. 74-SEC. 48-25B KNOX COUNTY E. BRIDGE STA. 417+20 W. BRIDGE STA. 416+04

FILE NAME =	DESIGNED - TLM	REVISED -
... \D4-174-HendersonCreek-EB-shAPP5-04.dgn	DRAWN - TLM	REVISED -
PLOT TIME = 4:35:27 PM	CHECKED - GAO	REVISED -
PLOT DATE = 7/30/2014	DATE - 10/22/2013	REVISED -

SEPSTEIN
 800 WEST PULTON STREET
 CHICAGO, ILLINOIS 60661-1299
 TEL. 312.454.9100
 FAX 312.555.1217
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LEFT LANE CURVE DATA
 P.I. 407+99.60
 L. 97'41.02"
 D. 0°20'00"
 T. 1040.04'
 L. 2070.08'
 E. 43.91'
 R. 12,271.66'

RIGHT LANE CURVE DATA
 P.I. 407+12.60
 L. 77'59.56"
 D. 0°28'00"
 T. 856.08'
 L. 1709.28'
 E. 29.61'
 R. 12,271.66'

DESIGN STRESSES
 16" = 1600 psi Super C-246
 18" = 1750 psi Rading
 18" = 20,000 psi Struct (A-36)
 n = 10
 Loading H.S.20-44 E All

EXISTING PLANS

SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	48-(25B)BR, BR-1J	KNOX	131	116
CONTRACT NO. 68B85				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY