B.M.
Spike Nail In Fence Corner
14.63' Lt. Sta. 15+74.12
Elev. 501.21

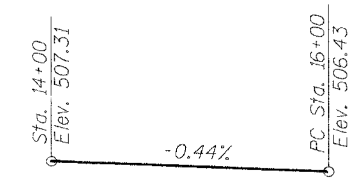
EXISTING STRUCTURE:
Seven Span Timber Beam Bridge on Closed Timber Abutments & Timber Piers
129.0' Bk to Bk Abutments and 15.9' O to O Deck

SALVAGE:
None

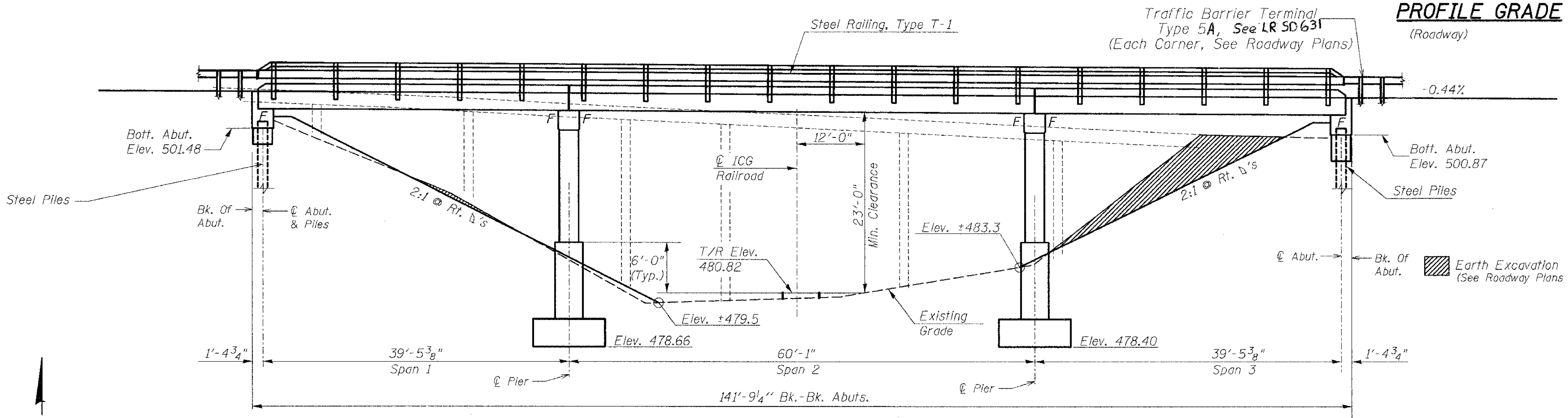
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
167	04-01225-00-BR	WILLIAMSON	16	4
STA 13+00		STA 18+50		
ROAD DIST.	ILLINOIS			

CONTRACT No. 99299



PROFILE GRADE
(Roadway)



Earth Excavation (See Roadway Plans For Quantity)

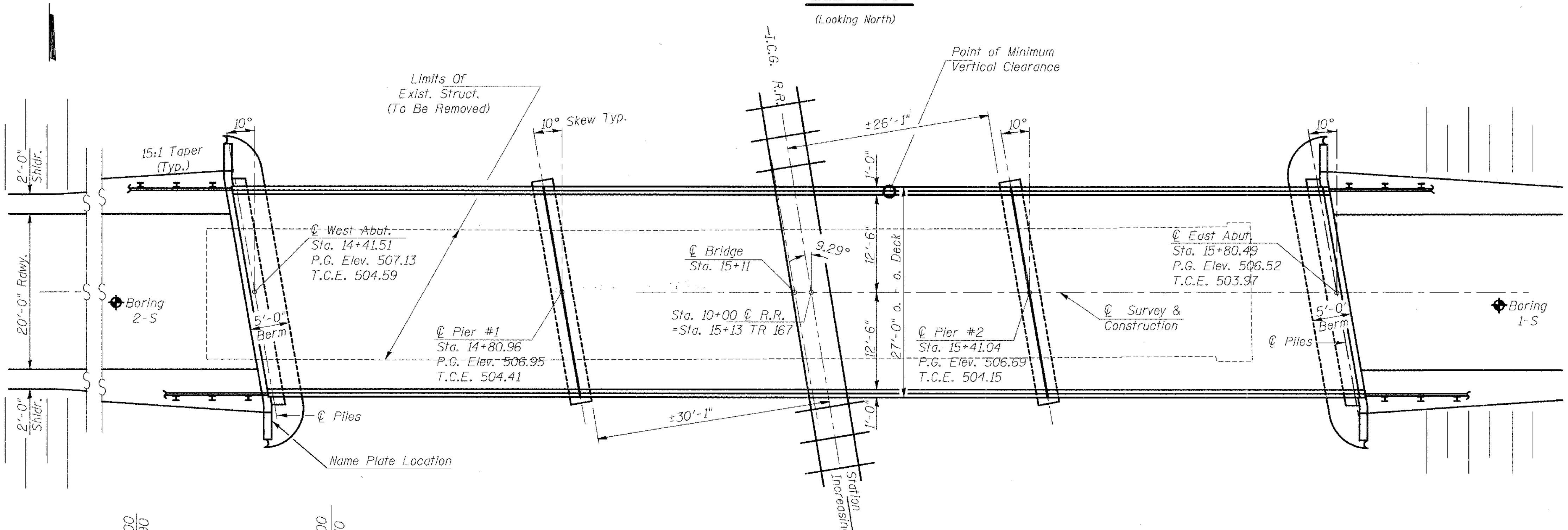
ELEVATION
(Looking North)

GENERAL NOTES

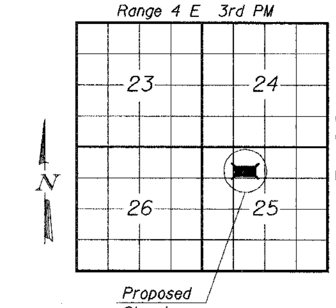
1. Reinforcement bars shall conform to the requirement of ASTM A706 Gr 60 (Illinois Modified). See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated
3. The Contractor shall drive test pile to 110% of the nominal required bearing specified in production locations at substructure specified or approved by the engineer before ordering the remainder of piles.
4. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

TOTAL BILL OF MATERIALS (STRUCTURE)

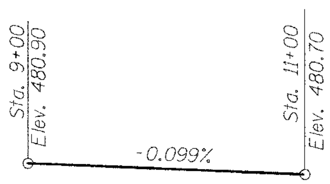
ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		268	268
Rock Excavation For Structures	Cu. Yd.		17.4	17.4
Concrete Structures	Cu. Yd.		154.6	154.6
Concrete Encasement	Cu. Yd.		4.4	4.4
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	3,780		3,780
Reinforcement Bars, Epoxy Coated	Pound		15,180	15,180
Steel Railing, Type T-1	Foot	280		280
Furnishing Steel Piles HP 10x42	Foot		175	175
Driving Piles	Foot		175	175
Test Pile Steel HP10x42	Each		1	1
PILE Shoes	Each		7	7
Name Plates	Each		1	1
Waterproofing Membrane System	Sq. Yd.	391.0		391.0
Hot-Mix Asphalt Surface Course, Mix "C", N50	Tons	58		58



PLAN



LOCATION SKETCH



PROFILE GRADE
(Top of Rails)

STATION 15+11
SEC. 04-01225-00-BR BUILT 20....
CORINTH ROAD DISTRICT
LOADING HS20
STR. NO. 100-3173

LETTERING FOR NAME PLATE
Locate Name Plate at S.W. Wingwall Corner of Bridge (See Std 515001-02)

DESIGN SPECIFICATIONS
2002 AASHTO 17th Edition

LOADING HS20-44
Allow 50#/Sq. Ft. for Future Wearing Surface.

SEISMIC DATA
Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.12
Site Coefficient (S) = 1.2

LICENSED STRUCTURAL ENGINEER
JOHN S. PERADOTTI
81-005671
JACKSONVILLE
STATE OF ILLINOIS

I certify that to the best of my knowledge, information and belief, this Bridge Design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the "A.A.S.H.T.O. Standard Specification for Highway Bridges."

John S. Peradotti
Licensed Structural Engineer
in Illinois No. 81-005671
License expires 11/30/08

Date: 3-27-07

HURST-ROSCHE ENGINEERS, INC.
CONSULTING ENGINEERS & ARCHITECTS
1005 INDUSTRIAL PARK DRIVE
MARION, ILLINOIS 62959

DESIGNED: MEB	CHECKED: JSP
DRAWN: DEG	CHECKED: MEB

GENERAL PLAN & ELEVATION
TR 167 OVER
ICG RAILROAD
WILLIAMSON COUNTY
SECTION 04-01225-00-BR