Bench Mark: Chiseled "□" on N.E. Wingwall of SN 019-0029
Elev. = 788.87

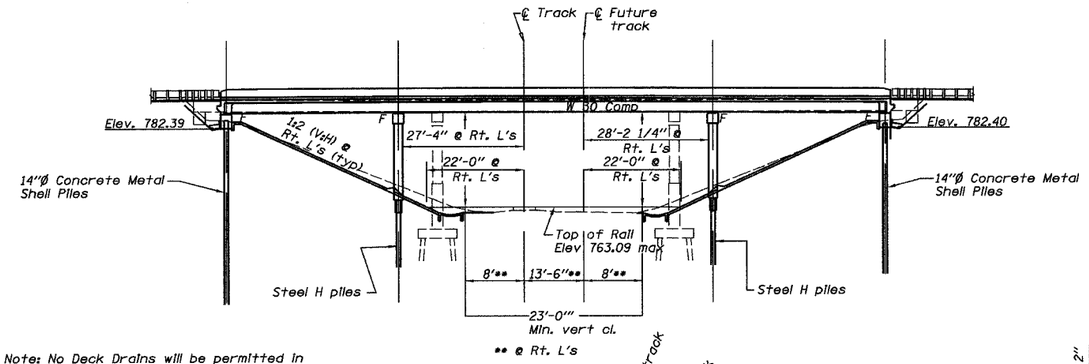
Existing Structure: SN 019-0029 built as SBI Route 12 Sec. 125 VBR in 1976
Three span, 27" deep precast prestressed concrete box beams,
176'-10" bk. to bk. of abutments, 33'-0" o. to o. of deck on pile supported spill-thru abutment and multi column piers. Road to be closed. Traffic to be maintained utilizing a detour.
No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 553	125 VBR-1	DEKALB	55	16
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
20 SHEETS

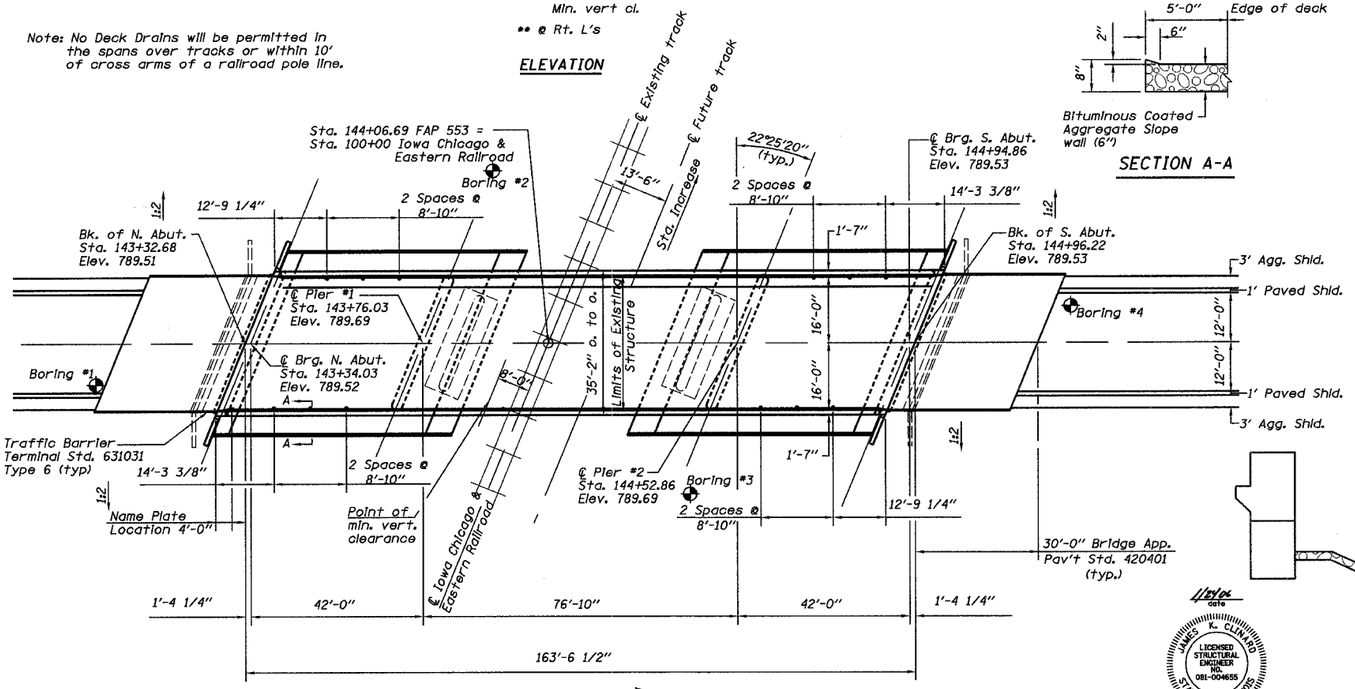
Contract #64858



ELEVATION

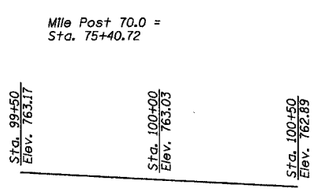
Note: No Deck Drains will be permitted in the spans over tracks or within 10' of cross arms of a railroad pole line.

SECTION A-A

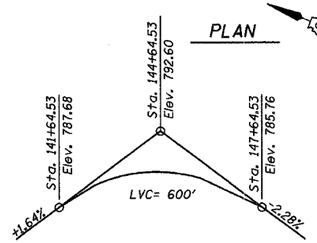


PLAN

Mile Post 70.0 = Sta. 75+40.72



TOP OF RAIL ELEVATIONS
IOWA CHICAGO & EASTERN R.R.



PROFILE GRADE FAP ROUTE 553
Along ℄ Roadway

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

11/24/06
date
JAMES K. CLINARD
LICENSED STRUCTURAL ENGINEER NO. 081-004655
STATE OF ILLINOIS
expires 11-30-2006
Signature
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001117

LOADING HS20-44

Allow 50*/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

DESIGN STRESSES

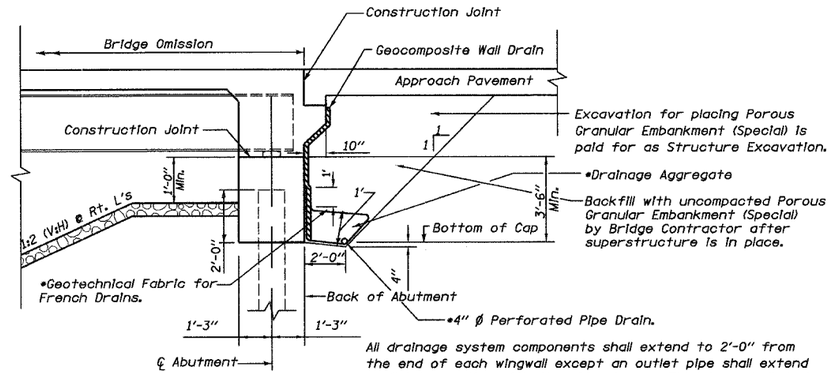
FIELD UNITS

fc = 3,500 psi
fy = 50,000 psi (Struct.) (M270 GRADE 50 W)
fy = 60,000 psi (Reinf.)

ICE R.R.
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 553 SEC. 125VBR-1
STA. 144+14.40 LOADING HS20
STR. NO. 019-0047

NAME PLATE DETAIL

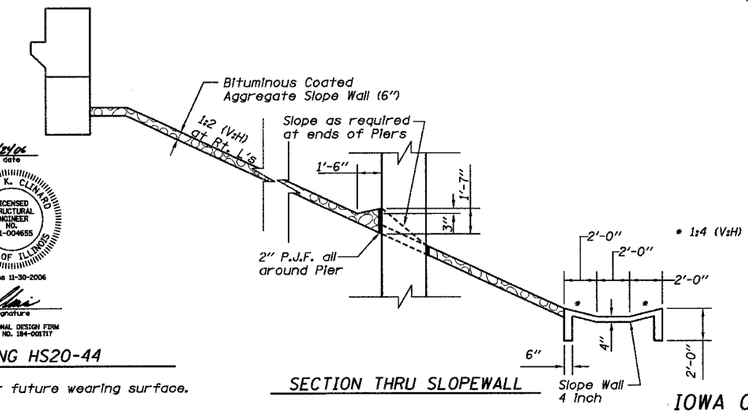
See Std. 515001



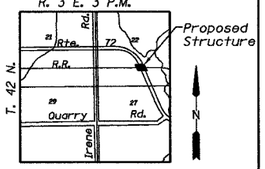
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

SECTION THRU INTEGRAL ABUTMENT

* Included in the cost of "Pipe Underdrains for Structures"



SECTION THRU SLOPEWALL



LOCATION SKETCH

See Sheet 2 of 20 for Total Bill of Materials and General Notes.

CHAMLIN & ASSOCIATE
PERU ILLINOIS MORRIS

GENERAL PLAN
IL RTE 72 OVER
IOWA CHICAGO & EASTERN RAILROAD
FAP ROUTE 553
SECTION 125VBR-1
DEKALB COUNTY
STA. 144+14.40
SN 019-0047