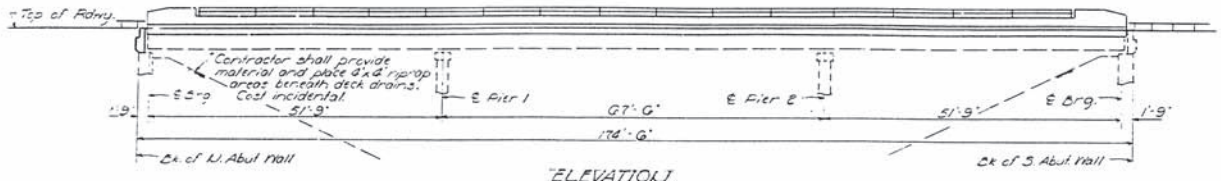
Construction shall be by stages as indicated.
The Contractor shall provide a temporary guardrail and maintain traffic.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

	533				SHEET NO. 1
61	VB-1-11	DUPAGE	4	15	8 SHEETS



ELEVATION

* Broken Concrete Riprap as specified in Art. 601 of the Standard Specs. or as approved by the Engineer.

GENERAL NOTES

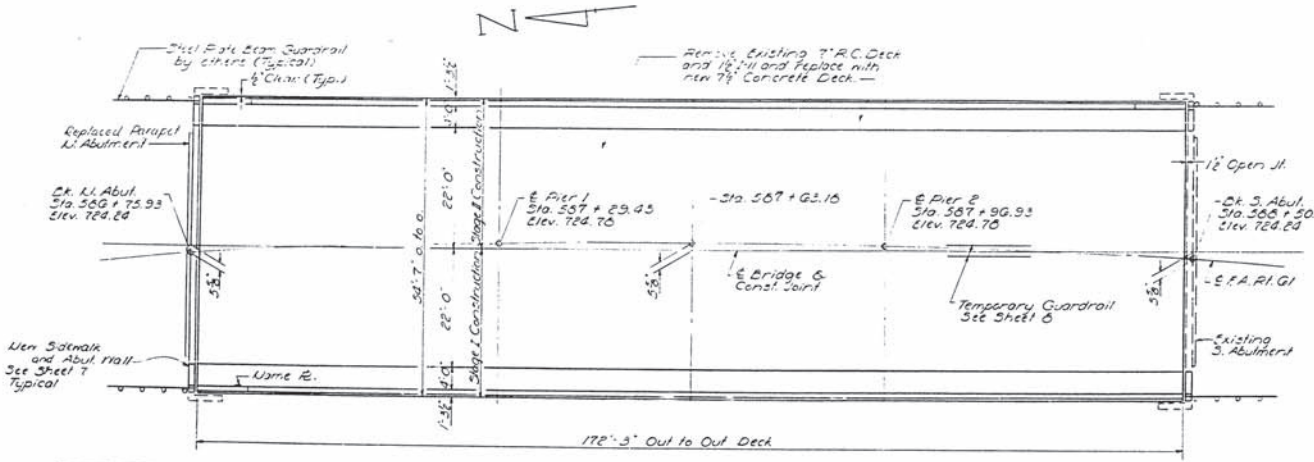
All reinforcement shall be lapped 24 diameters unless otherwise shown.

The exposed surfaces of the expansion guards shall be given two shop coats of red lead paint; the contact surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Est. Weight = 1,220 lbs..

All new structural steel and existing structural steel on which paint has been damaged in the performance of this work shall be spot painted with red lead paint and given two coats of aluminum paint.

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

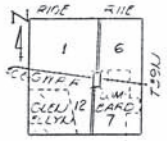


PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu. Yds.	364.0
Reinforcement Bars	Lbs.	63,130
Structural Steel	Lbs.	1,630
Removal of Existing Concrete Deck	L. Sum	1
* Protective Coat	Sq. Yds.	1145
Name Plates	Each	1
Temporary Guardrail	Lin. Ft.	175
Aluminum Railing (Type L)	Lin. Ft.	304
Stud Shear Connectors	Each	3195
Expansion Bolts (¾" ϕ)	Each	6
** Bridge Seal Sealant	Lump Sum	1
Concrete Removal	Cu. Yds.	7.5

* Includes 3½" Sidewalk surfaces outside of parapets.
** Use on Abutments.



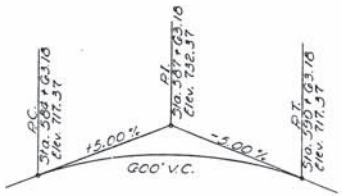
LOCATION PLAN

C. & G.N.R.R.
REBUILT 19__ BY
STATE OF ILLINOIS
F.A.R.T.61 SEC. 533VB-1-11
STA. 587+63.18
LOADING H520

NAME PLATE
See Std. 2113-1

DESIGNED	J. Engerg
CHECKED	K. Wu
DRAWN	S.E. Jacobs
CHECKED	

EXAMINED — Dec 26 1968
PASSED
APPROVED



PROFILE F.A. RT. 61

HORIZ. CURVE DATA

Δ = 18°-11'-30"
D = 1°-24'
C = 31.63'
R = 4092.66'
T = 309.5'
L = 1013.7'
S.E. = 0.02 ft./ft.

DESIGN STRESSES

fc = 1800 p.s.i. Slab
fc = 1650 p.s.i. Parapet, Sidewalk & Sub
fs = 20 000 p.s.i. Structural Steel (New)
fs = 18 000 p.s.i. Structural Steel (Existing)
fs = 20 000 p.s.i. Reinforcement
n = 10
℄ Deflection = L/1800 Composite

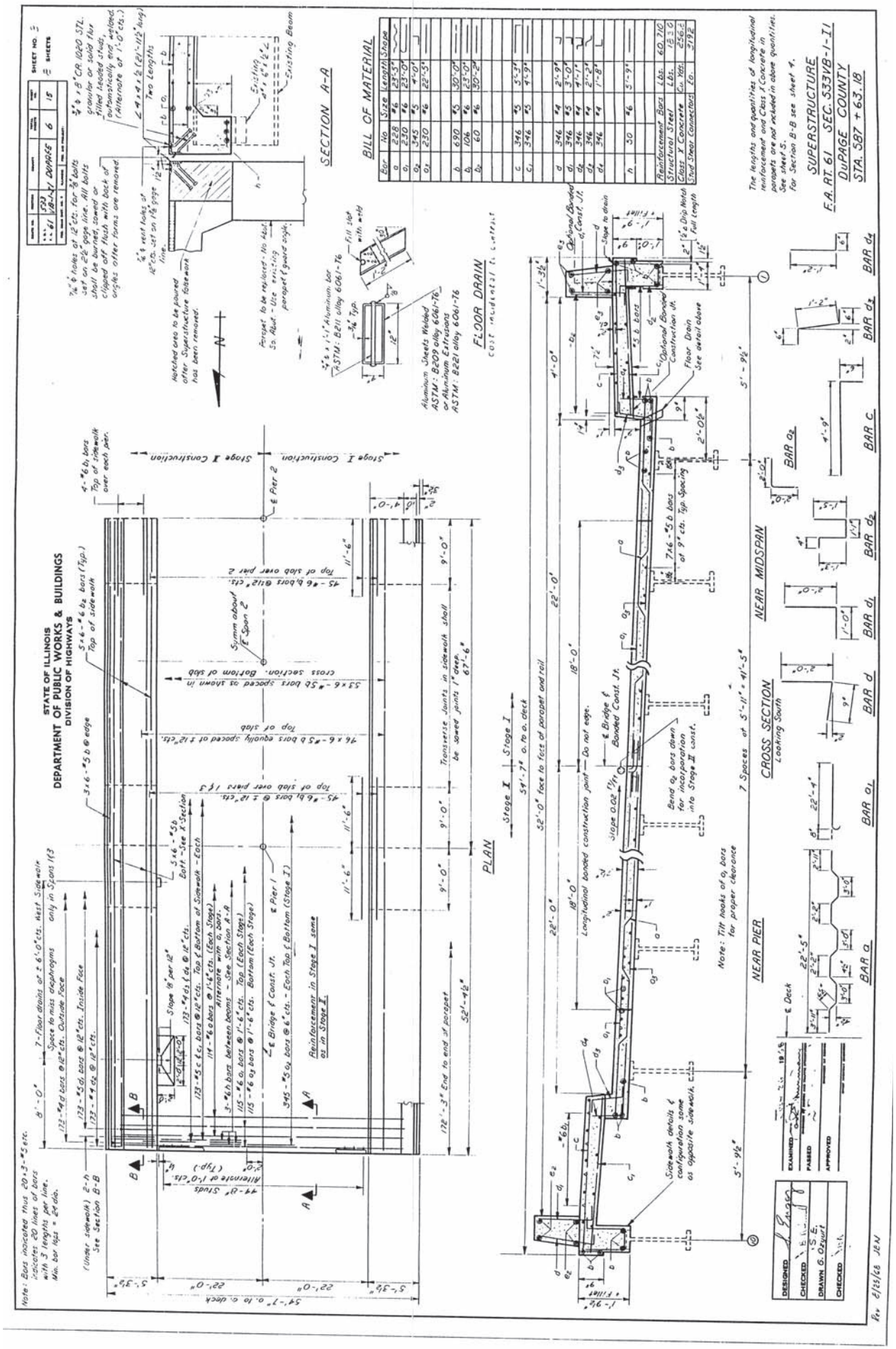
LOADING H520 = 44

GENERAL PLAN & ELEVATION
C.&G.N.R.R. OVERHEAD AT LOMBARD
F.A.R.T.61 (ILL. 53) SEC. 533VB-1-11
DUPAGE COUNTY
STA. 587+63.18

Rev. 8/28/68 JBN

Attachment D - Abbreviated Existing Plans

SN 022-0076


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
SUPERSTRUCTURE
F.A. RT. 61 SEC. 533VB-1-11
DuPAGE COUNTY
STA. 587 + 63.18
PLAN
SECTION A-A
FLOOR DRAIN
CROSS SECTION
Looking South
NEAR PIER
NEAR MIDSPAN
BILL OF MATERIAL
Stage I Construction
Stage II Construction
Reinforcement in Stage I same as in Stage II
Longitudinal bonded construction joint — Do not edge.
Bend a₂ bars down for incorporation into Stage II const.
Note: Tilt hooks of a bars for proper clearance
Sidewalk details & configuration same as opposite sidewalk.
Floor Drain See detail above
Optional Bonded Construction Jt.
Fill slot with mtl
Perpet to be replaced - No Hot Sp. Mat - Use existing perpet & guard angle.
Watched area to be poured after Superstructure formwork has been removed.
Existing Beam
Aluminum Sheets Welded ASTM: B209 alloy 6061-T6 or Aluminum Extrusions ASTM: B221 alloy 6061-T6
Aluminum bar ASTM: B211 alloy 6061-T6
DESIGNED
CHECKED
DRAWN G. Ozburt
CHECKED
EXAMINED
PASSED
APPROVED
Rev. 8/25/86 JEN