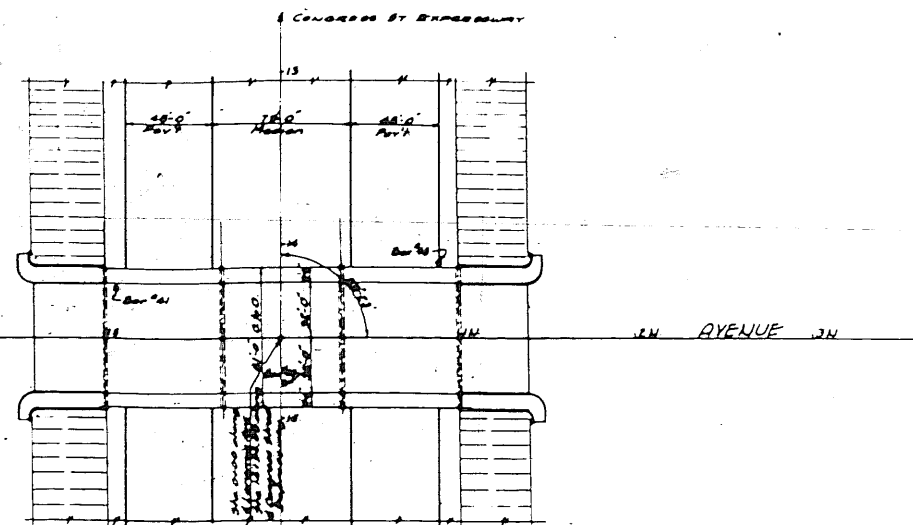


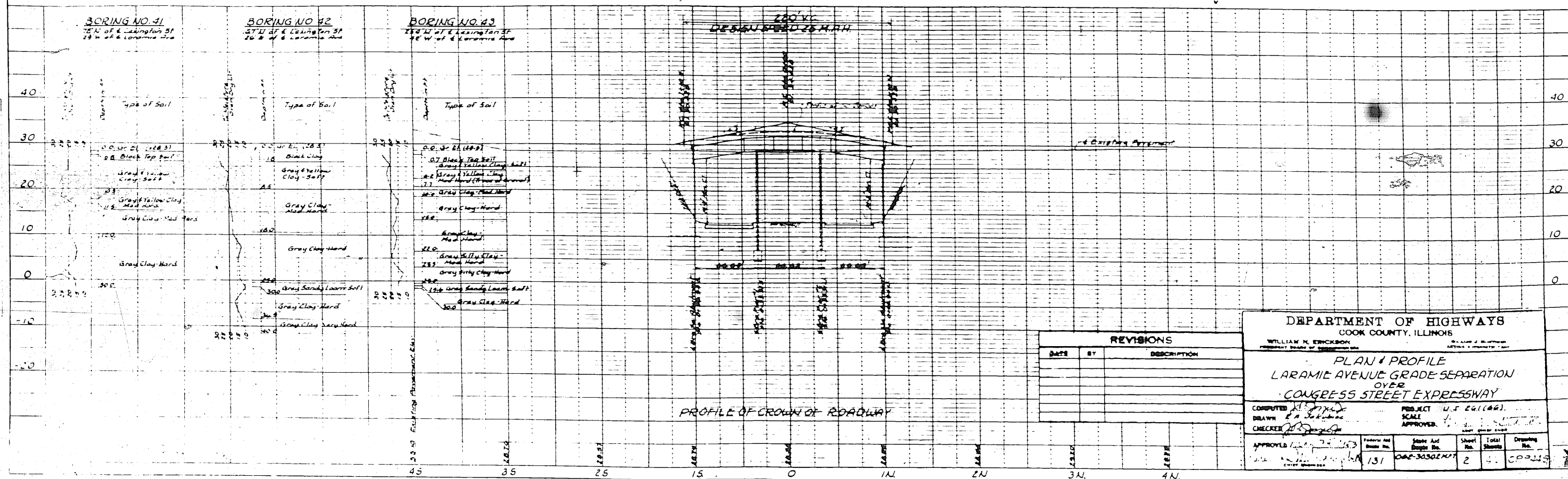
SEC 16-39-13
CITY OF CHICAGO-WEST TWP
POPULATION 3,620,962



NOTE: CUT on the north end of door step at 424 S. Laramie

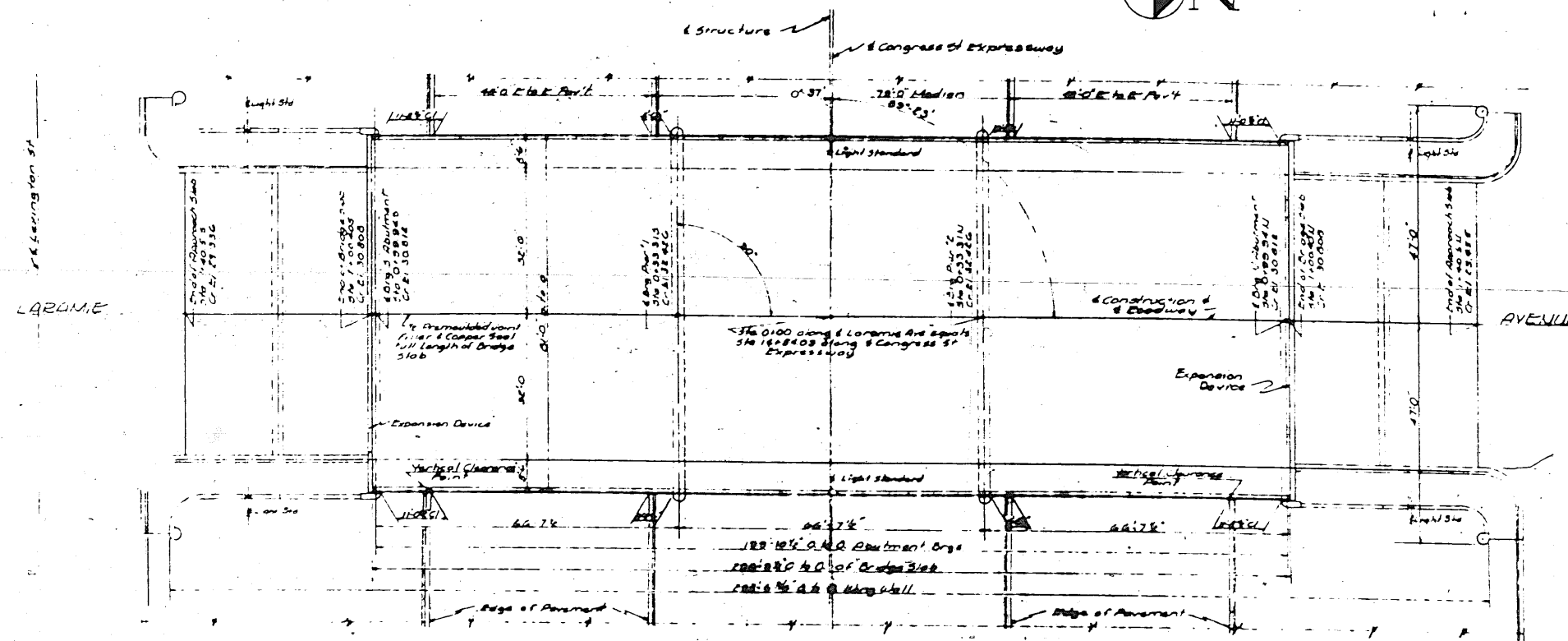
NOTE: For Existing Improvements (Topography See Sheet No. 1)
For Utilities & Drainage Details See Sheet No. 2
For Details of Proposed Pavement & Improvement See Sheet No. 3
For Location Plan See Sheet No. 4
At 0.00 City Datum equals 179.50 U.S.S. (Cook County)

PLAN

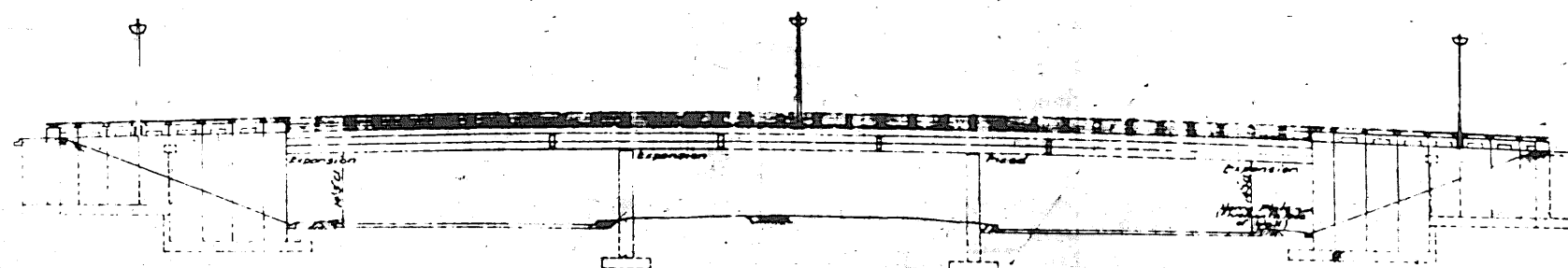


REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS					
WILLIAM H. ERICKSON President, Board of Supervisors					
PLAN & PROFILE LARAMIE AVENUE GRADE SEPARATION OVER CONGRESS STREET EXPRESSWAY					
COMPUTED BY E. A. Schuchman	PROJECT U.S. 261 (Rt. 131)		SCALE 1" = 10'	APPROVED BY [Signature]	
CHECKED BY [Signature]	APPROVED BY [Signature]	STATE AID [Signature]	SHEET NO. 2	TOTAL SHEETS 4	DRAWING NO. C00015



PLAN



ELEVATION

DESIGN DATA

Truck Loading -20' S.G. 4.4
 Earth Pressure 30' Fluid Pressure
 Structure Steel 3000' 1/4 inch
 Reinforcement Steel 60000' 4 inch
 Concrete (without Earth Pressure) 200' 1/4 inch
 Concrete (with Earth Pressure) 600' 1/4 inch

GENERAL NOTES

All piles in the approach slab. Pile Cent shall be driven to attain a minimum penetration of 10' 0" into a stratum of solid material, regardless of bearing capacity developed.
 Each section of bridge floor slab shall be poured in one continuous operation from abutment to abutment.
 Finishing of floor slab shall comply with Article 511 of the Standard Specifications.
 The cost of copper water seal, copper nails and pre-moulded joint filler shall be included in the bid price of Class 3 Concrete. The copper water seal splices shall be placed on Grade 3.
 Class 3 Concrete shall be used throughout except concrete in handrails which shall be handrail concrete.
 Per Construction Phases affecting the Northwest & Southwest Wines see Sheet 14-10.
 The Contractor shall adequately support, brace and protect the copper seal and pre-moulded joint filler during construction, so that the copper seal does not become badly torn or deformed. The Contractor's method of supporting, bracing and protecting the copper seal and pre-moulded joint filler shall be approved by the Engineer.

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM H. FRICKSON COUNTY ENGINEER			
GENERAL PLAN LARAMIE AVENUE GRADE SEPARATION OVER CONGRESS STREET EXPRESSWAY			
DESIGNED BY W. H. FRICKSON	PROJECT NO. 4-2-61 (662)	SCALE 1" = 40'	
CHECKED BY J. J. HARRIS	DATE NOV 1961	SHEET NO. 3	TOTAL SHEETS 46
APPROVED BY W. H. FRICKSON	DATE DEC 30 1961	SHEET NO. 3	TOTAL SHEETS 46
DRAWN BY J. J. HARRIS		CHECKED BY J. J. HARRIS	APPROVED BY W. H. FRICKSON

SECTION A-A

SECTION B-B

DETAIL C

DETAIL D

DETAIL A

DETAIL B-TYPICAL



PLAN

CROSS SECTION

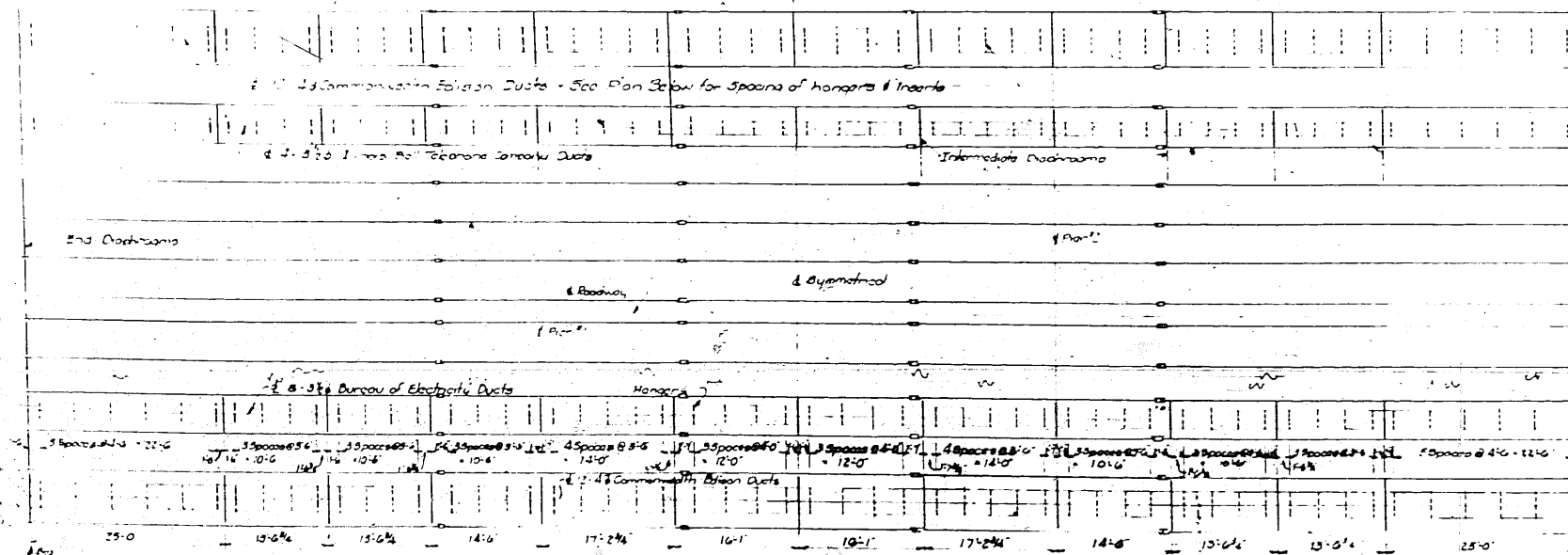
DEAL - C&C DEFLECTION DIAGRAM

U/L DEFLECTION IN INCHES					
Beam No.	A	B	C	D	E
144, 2716	9/16	1/16	3/16	0	1/16
144, 2716	7/16	3/16	4/16	0	0
144, 2716	1/16	1/16	7/16	0	1/16

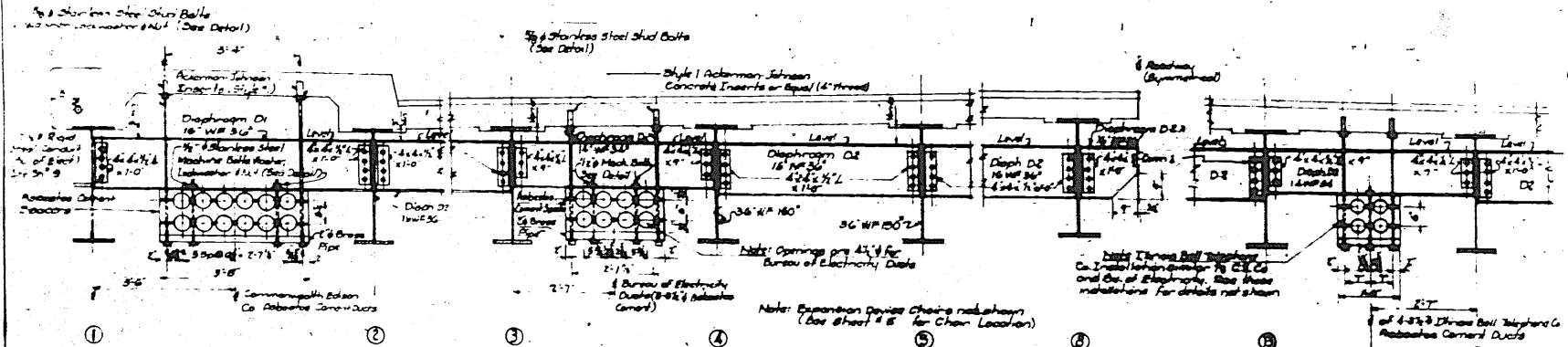
BILL OF MATERIAL		
CLASS 'X' CONCRETE	4052	CU YDS
REINFORCEMENT BARS	76,000	LOS
BITUMINOUS MATERIALS (Prime Coat)	146.7	GALES
BITUMINOUS MATERIALS (Surface Course)	62.9	TONS
BITUMINOUS MATERIALS (Subgrade)	75.4	TONS

REVISIONS		
DATE	BY	DESCRIPTION
10-2-53	FAH	Revised Section I-II to Detail C
		per Mr. Mc. Mc. Mc.

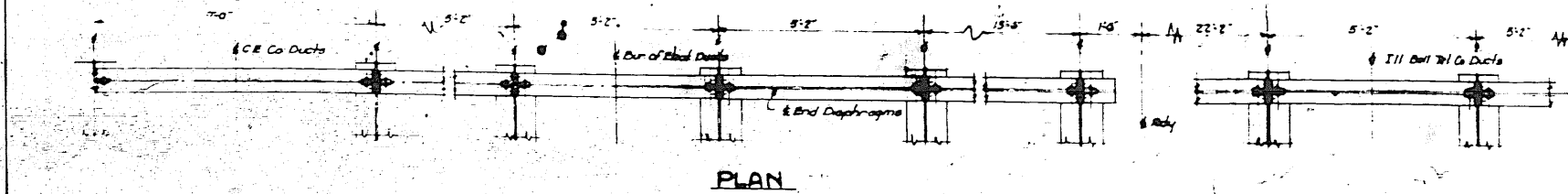
DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM H. ERICKSON CHIEF ENGINEER	
SUBSTRUCTURE CONCRETE DETAILS LARAMIE AVENUE GRADE SEPARATION CONGRESS STREET EXPRESSWAY	
COMPUTED BY CHECKED BY APPROVED BY	PROJECT NO. C.C. 1042 SCALE DATE NOV 15/51 DESIGNED BY DRAWN BY CHECKED BY



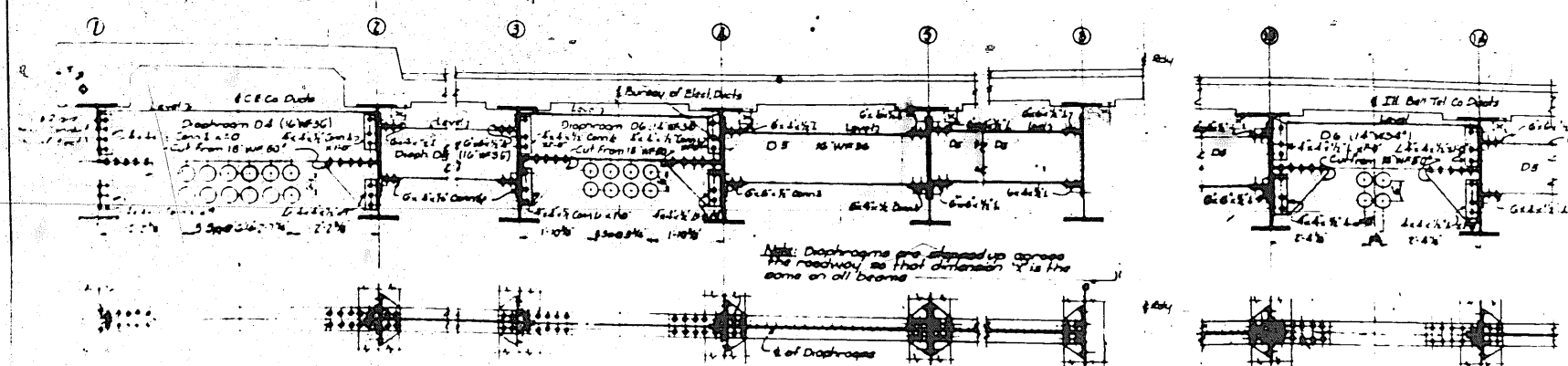
LOCATION PLAN OF UTILITY DUCTS - (COMMONWEALTH EDISON - ILLINOIS Bell TELEPHONE - BUREAU OF ELECTRICITY)
(Showing Spacing of Hangers & Concrete Inserts - Indicated Spacing All Lines)



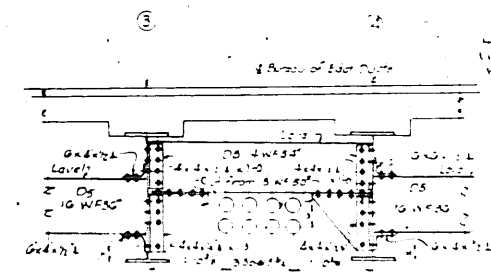
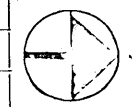
END DIAPHRAGM ELEVATION - SHOWING TYPICAL HANGER INSTALLATION FOR UTILITY DUCTS



PLAN



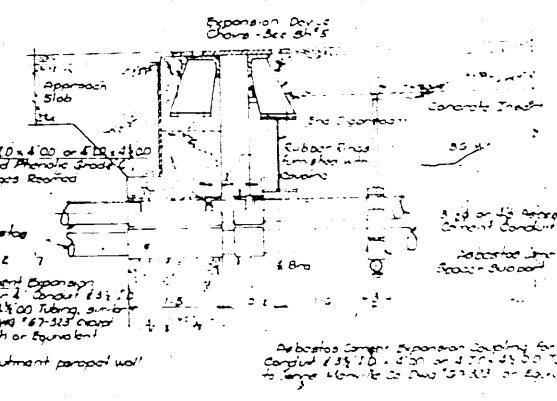
TYPICAL PLAN & ELEVATION OF INTERMEDIATE DIAPHRAGMS OTHER THAN AT PIERS & SPLICES



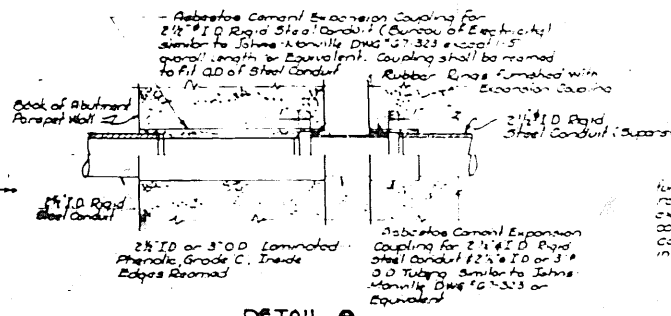
ELEVATION OF INTERMEDIATE DIAPHRAGMS
TYPICAL AT PIERS & SPLICES

STUD BOLT DETAIL

MACHINE BOLT DETAIL



DETAIL OF EXPANSION COUPLING ASSEMBLY AT ABUTMENTS
(TYPICAL FOR 3/4" & 4" CONDUITS)



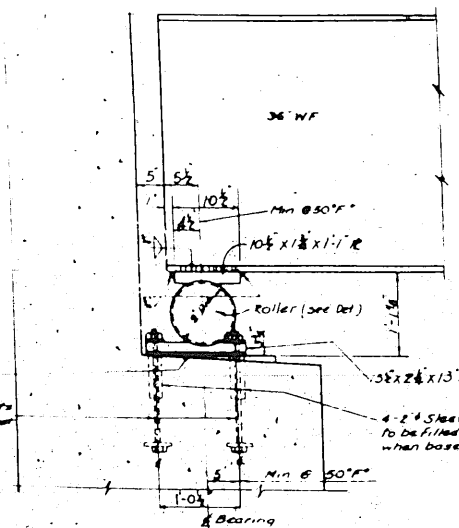
DETAIL A
(SHOWING EXPANSION DEVICE FOR BU OF ELECT. 3/4" CONDUIT)

Note: The Commonwealth Edison Co. & the Illinois Bell Telephone Co. are not responsible for the design of the expansion device. They shall install all material except the concrete expansion device. The expansion device shall be installed in the concrete inserts. The expansion device shall be installed in the concrete inserts. The expansion device shall be installed in the concrete inserts.

Note: Holes through concrete & asbestos cement encasement shall be drilled 1/4" for 3/4" bolts & 5/8" for 1/2" bolts. Cut 1/4" and bolts flush with nut. Peen, counter punch or spot weld at thread line to prevent nut from turning. Stainless steel used for Bureau of Electricity (City of Chicago) Hanger detail shall be Stainless Steel Type 304 or Type 430.

Note: Structural Steel (Diaphragms & connections) shown on this sheet are included in quantities shown on sheet # 6. See Special Provisions regarding utility work.

DEPARTMENT OF HIGHWAYS					
COOK COUNTY, ILLINOIS					
WILLIAM N. ERICKSON PRESIDENT BOARD OF SUPERVISORS					
STRUCTURAL STEEL & UTILITY DETAILS LARAMIE AVENUE GRADE SEPARATION OVER CONGRESS STREET EXPRESSWAY					
COMPUTED	BY	DATE	BY	DATE	BY
DRAWN	BY	DATE	BY	DATE	BY
CHECKED	BY	DATE	BY	DATE	BY
APPROVED	BY	DATE	BY	DATE	BY
1/31	042-3033242	7	1	09-30-0	



Note to Erector:
Min @ 90°F increase each dimension
by same amount if abutment has moved
or if temperature is above 90°F. Decrease
by same amount if temperature is under
90°F.

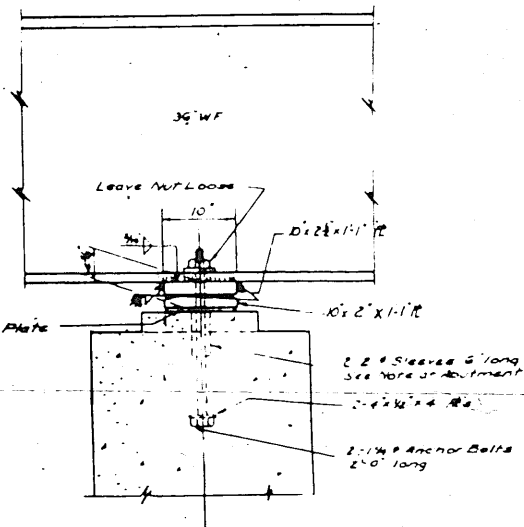
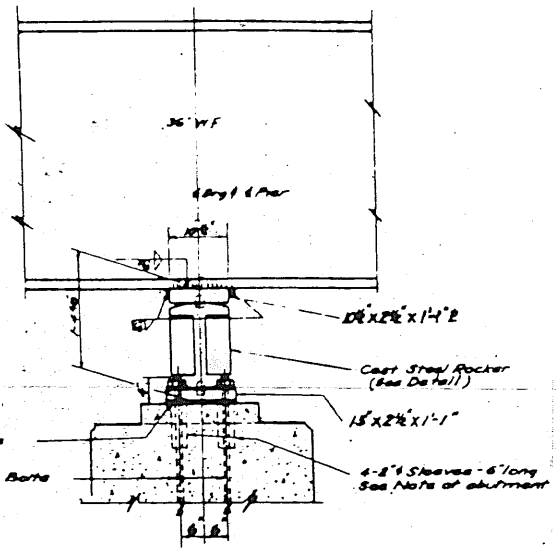
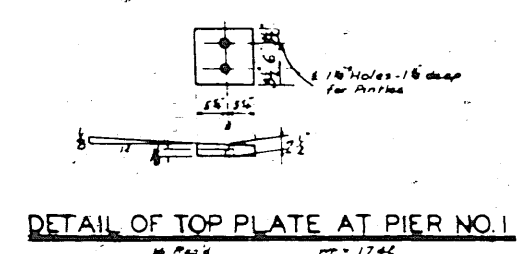
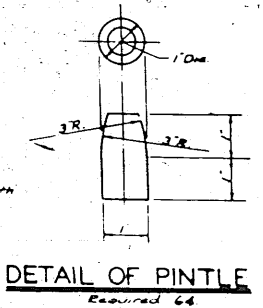
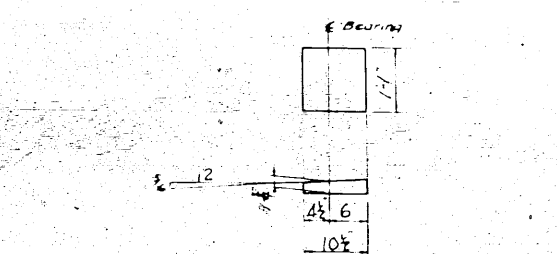
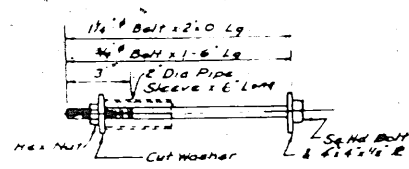
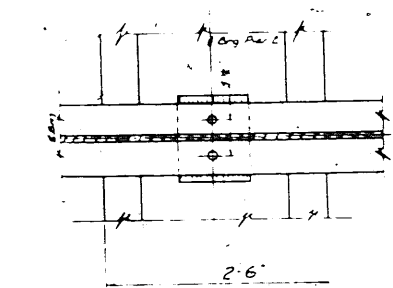
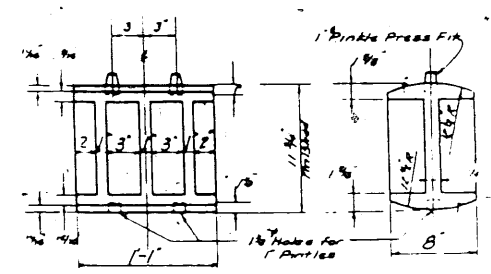
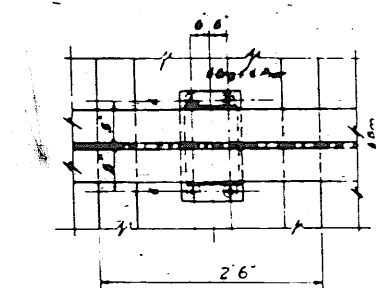
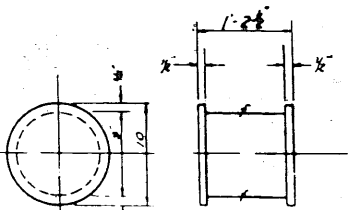
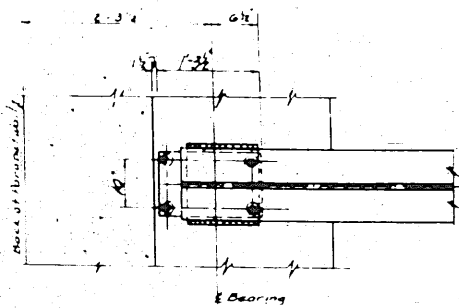
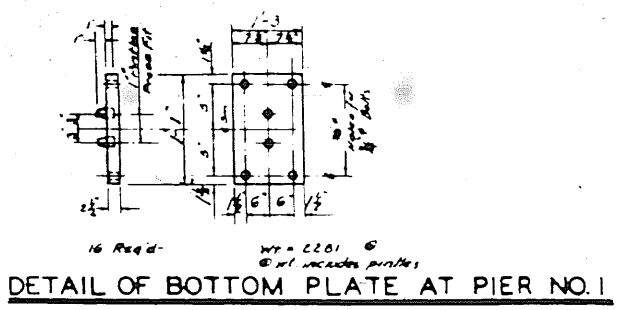
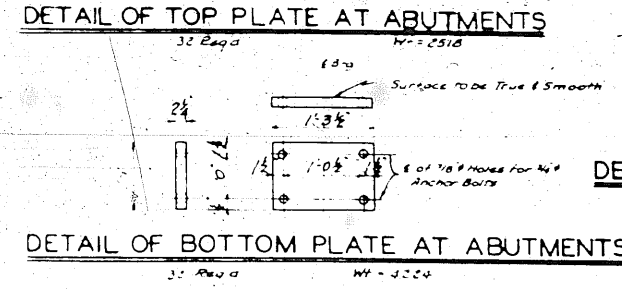


TABLE			
PROPOSED	2" x 4"	204	408
LEAD PL	10" x 1/2" x 1/2"	10	11.5
"	15" x 1/2" x 1/2"	10	17.5
"	15" x 1/2" x 1/2"	32	35.9
ANCHOR BOLT	1/2" x 1/2" x 20"	192	490
ANCHOR BOLT	1/2" x 1/2" x 20"	32	31.1
WEIGHT OF ROCKERS, ROLLERS & PLATES		Lbs 27,565	
TOTAL WEIGHT		Lbs 29,310	

NOTES
Rockers shall be turned down from a solid bar for all plates in contact with the rollers, the edges adjacent to the rollers shall be rolled, cut square or finished.
Estimated weights of rollers, rockers, steel B's, lead B's, anchor bolts, pipe sleeves are included in the weight of structural steel.
Castings shall conform to the Tentative Specifications for A. 13 to Medium Strength Carbon Steel Castings for General Applications, A. S. T. M. A-137-Grade 35 Full Annealed.
Pipe sleeves will be temporarily plugged with wood and shall not be used in this project and for Class 1.

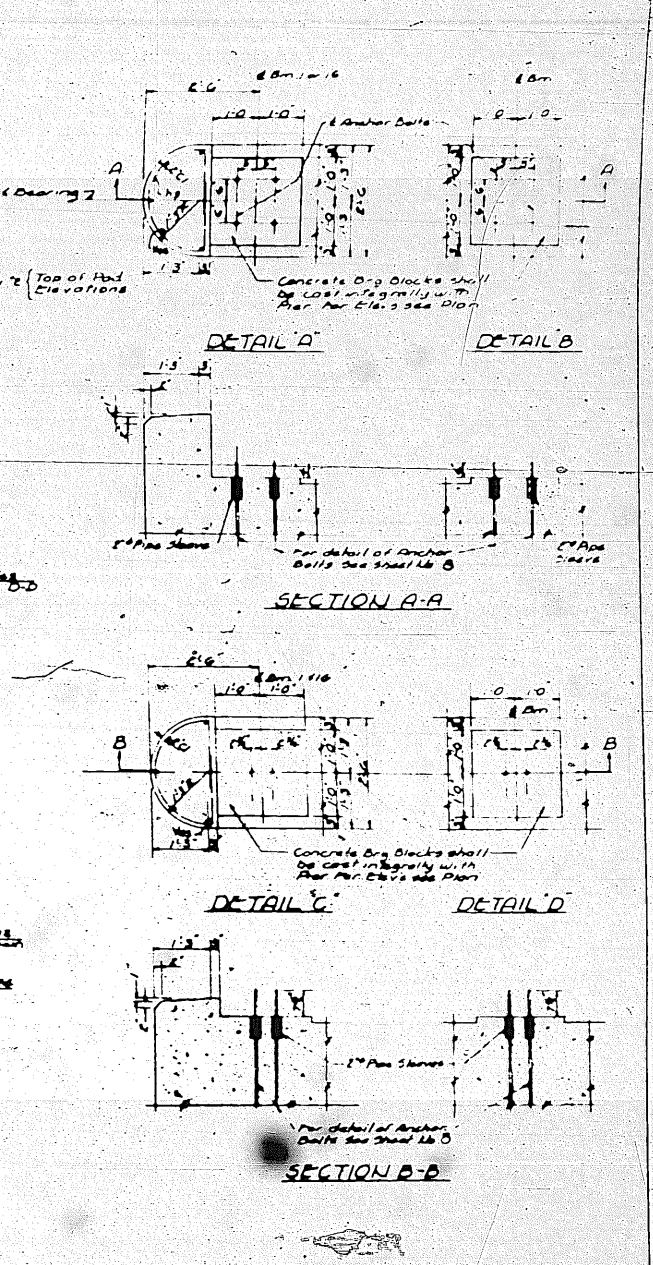
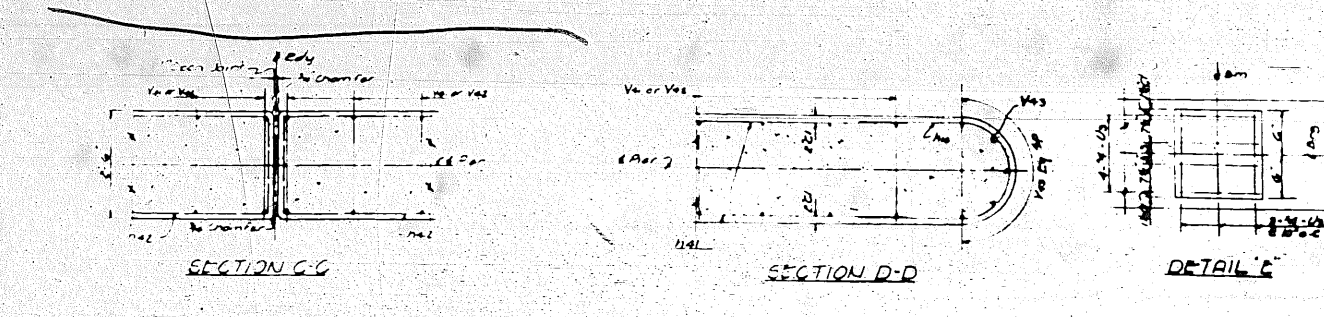
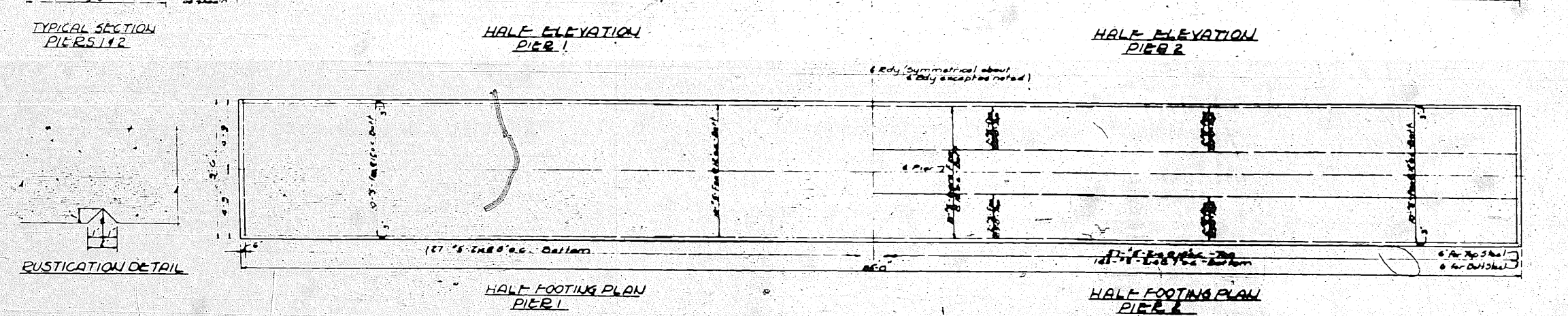
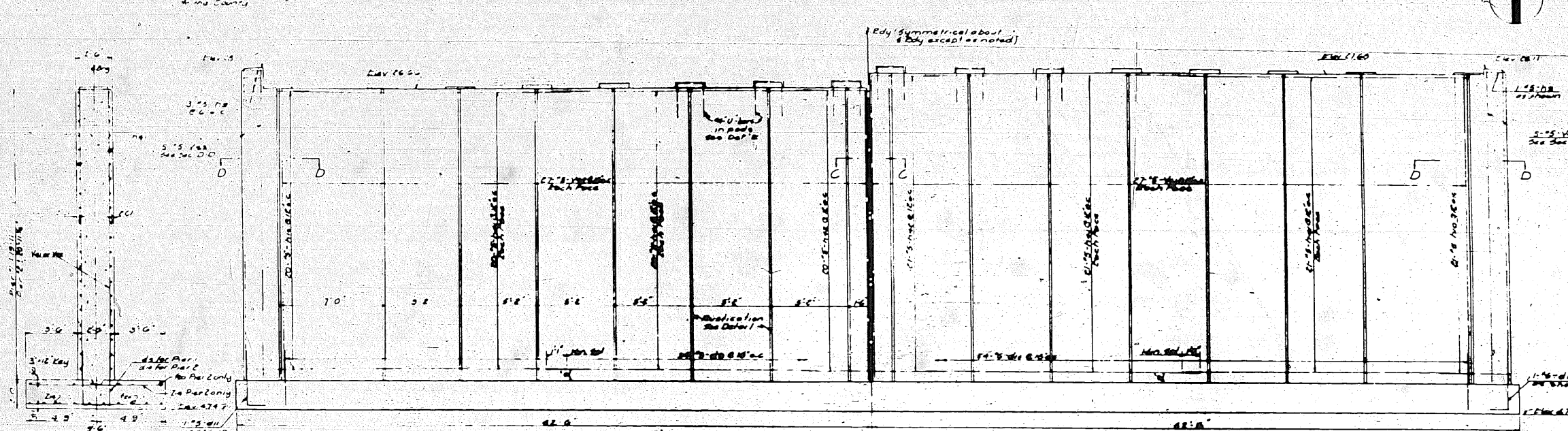
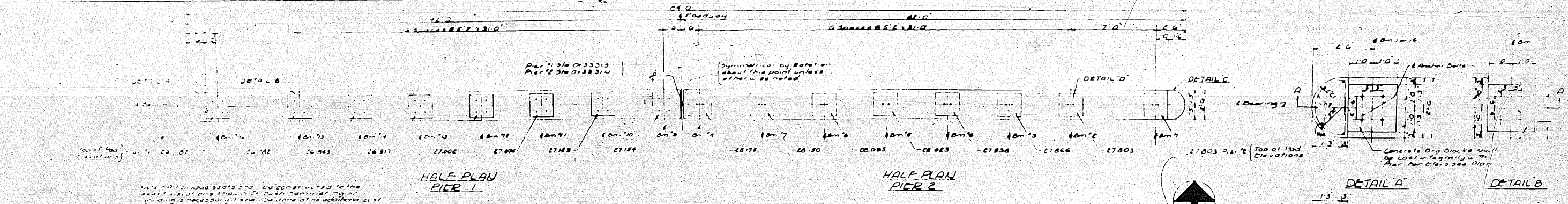


DETAIL OF TOP PLATE AT PIER NO. 2



DETAIL OF BOTTOM PLATE AT PIER NO. 2

REVISION			
DATE	BY	DESCRIPTION	
DEPARTMENT OF HIGHWAYS CHICAGO COUNTY, ILLINOIS ROCKERS, ROLLERS & BEARING PLATES LARAMIE AVENUE GRADE SEPARATION OVER CONGRESS STREET EXPRESSWAY COMPUTED BY: [Signature] CHECKED BY: [Signature] DATE: 1/31/31 PROJECT: U.S. 20 (1940) SCALE: AS SHOWN DRAWN BY: [Signature] DATE: 1/31/31 NO. 3000-2-417 5 007505			



BILL OF MATERIAL	
CLASS X CONCRETE	CU YDS 488.6
REINFORCEMENT BARS	LOS. 88470

REVISIONS		
DATE	BY	DESCRIPTION
8-3-53	JPL	Revised Section C-C, added Open Joints

See Sheet No. 18 for Bar Schedule

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

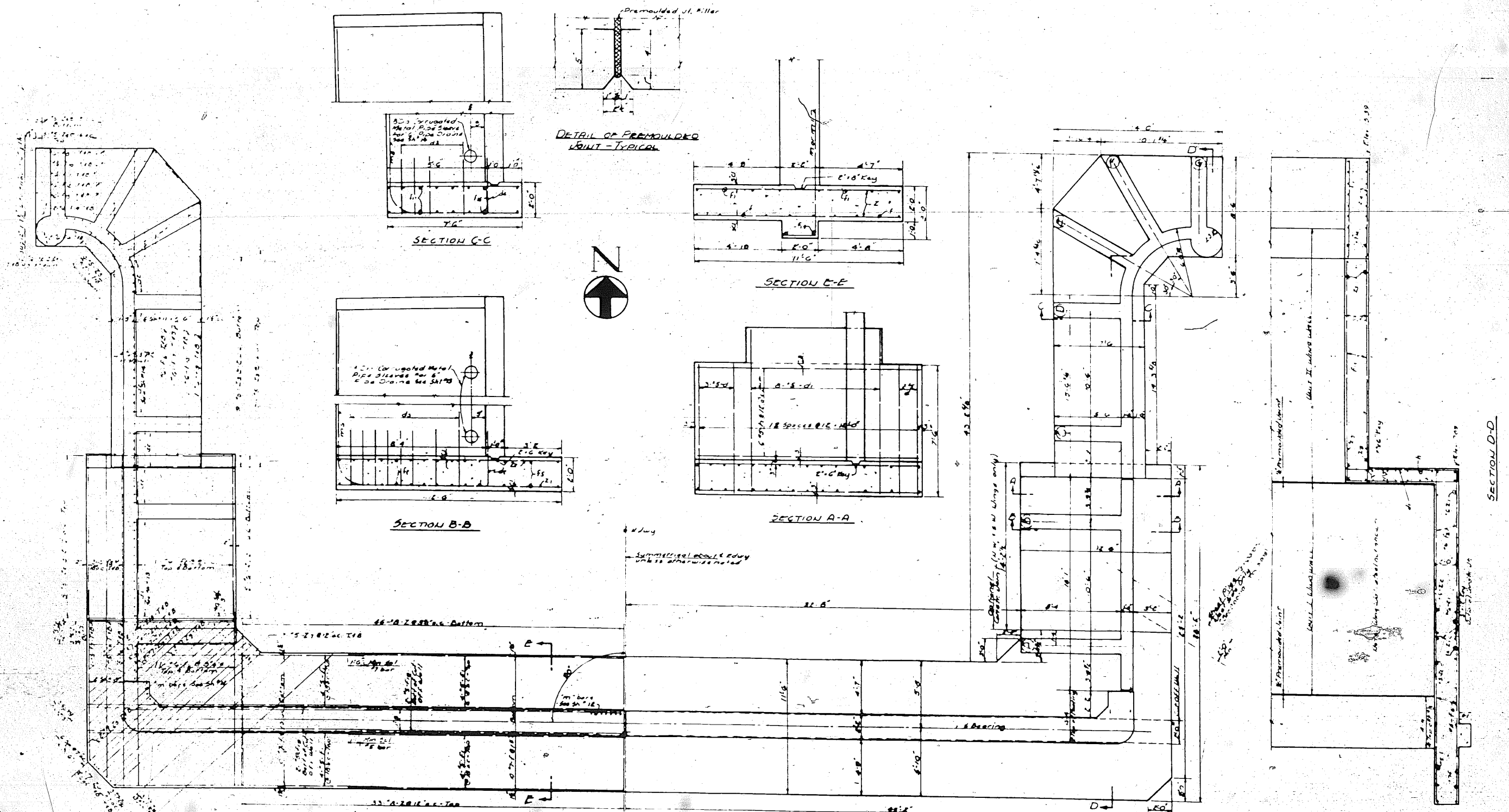
WILLIAM H. ERICKSON
PRESIDENT BOARD OF COMMISSIONERS

DETAILS-PIERS 1 & 2
LARAMIE AVENUE GRADE SEPARATION
OVER
CONGRESS STREET EXPRESSWAY

DESIGNED BY *[Signature]*
DRAWN BY *[Signature]*
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

PROJECT NO. 112 (C-1)
SCALE APPROVED *[Signature]*

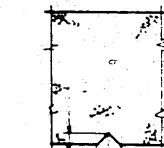
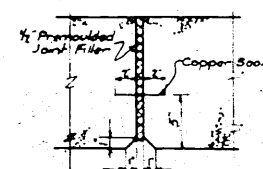
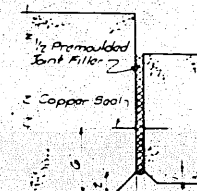
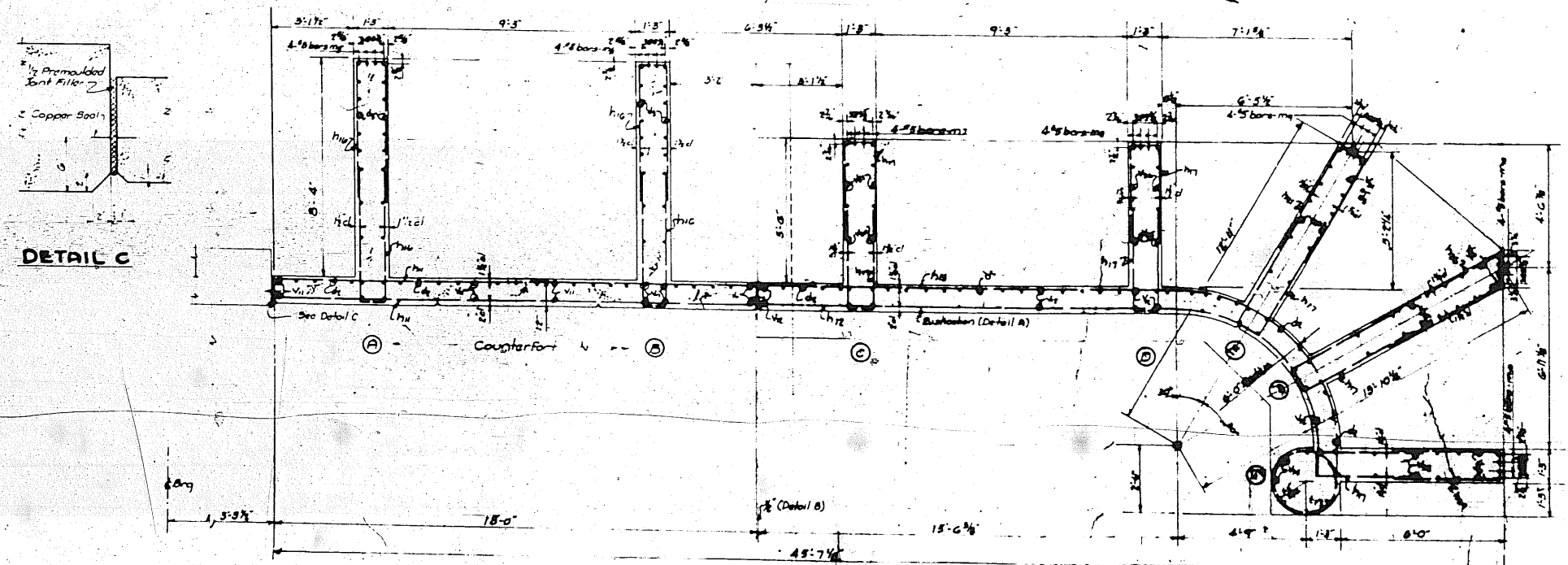
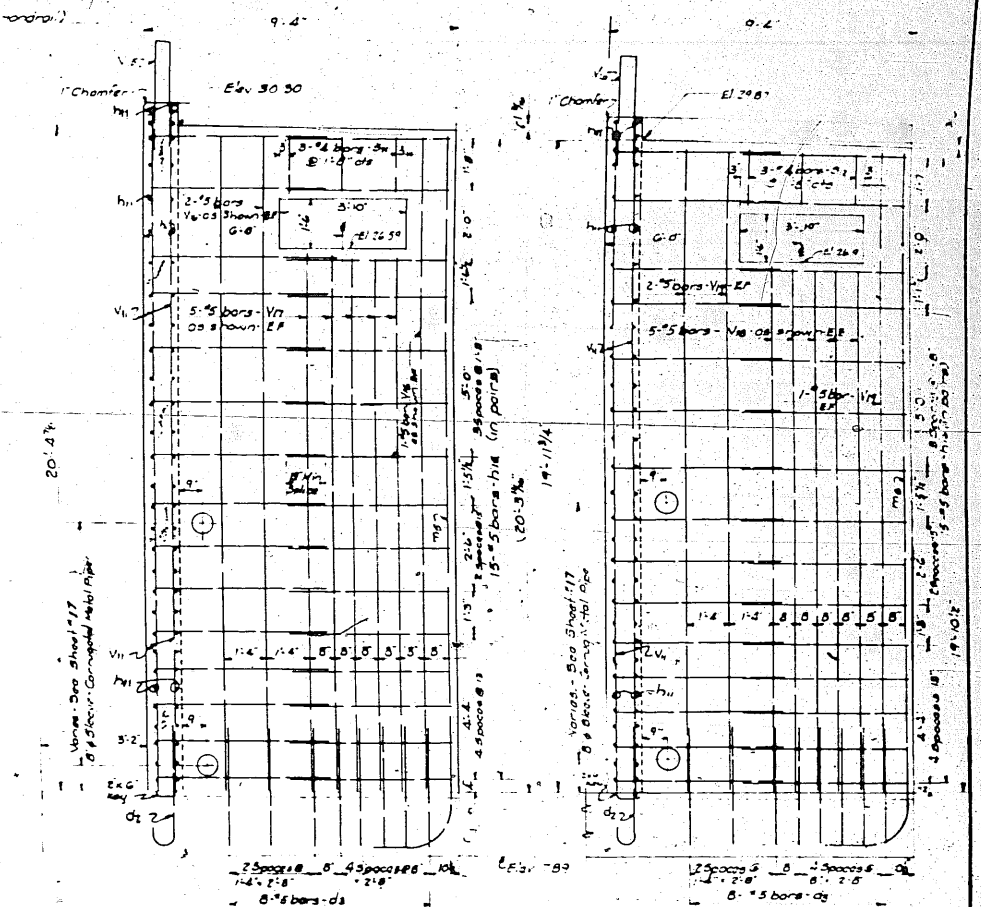
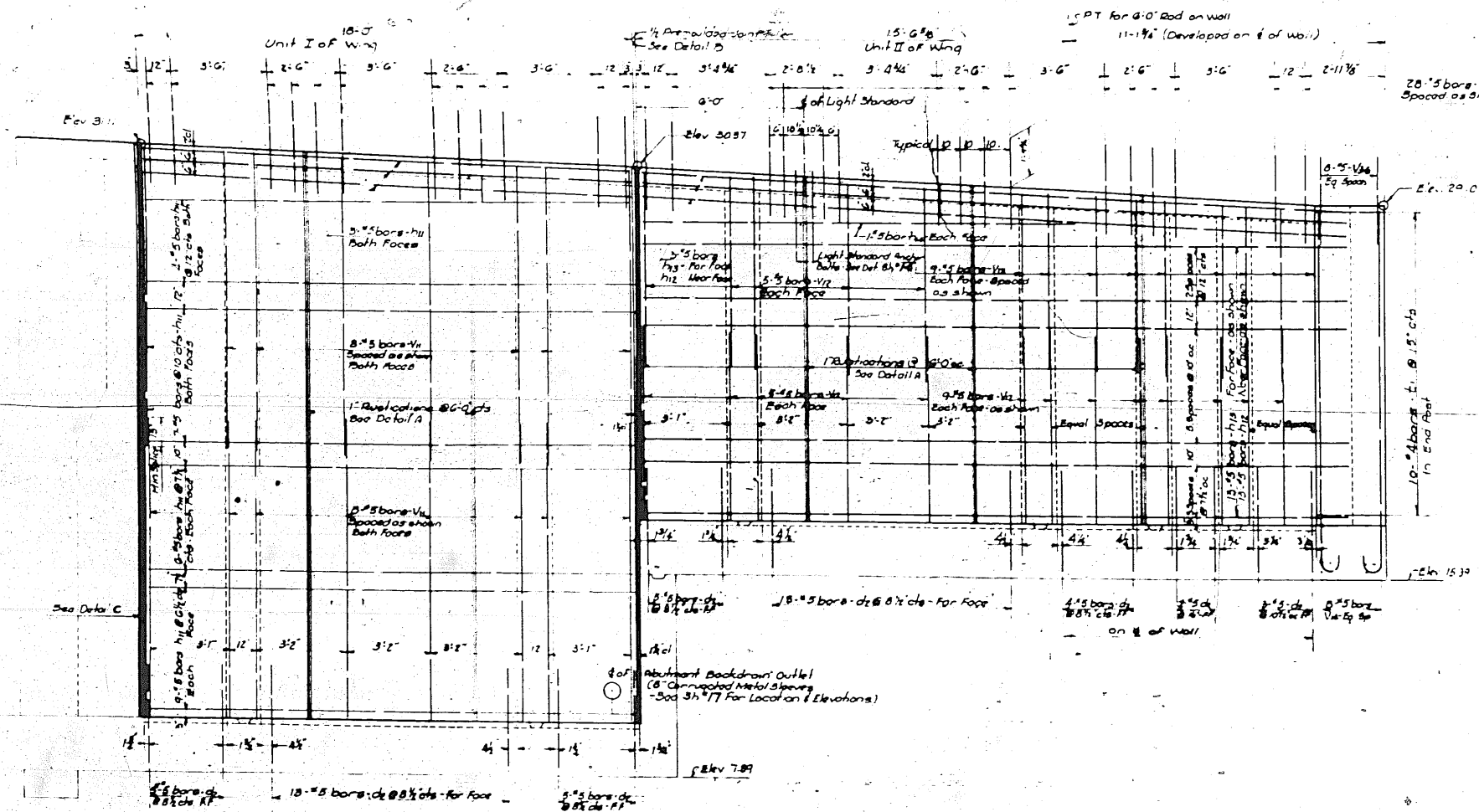
Project No.	Scale	Sheet No.	Total Sheets	Drawing No.
131	1/31	10	11	CP 9525



See Sheet 101 for Bar List & Detail of Material
See Sheet 102 for Spacing of Reinforcing Bars
See Sheet 103 for Details of Abutment
See Sheet 104 for Details of Wingwall Sidewalk

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM N. ERICKSON PROJECT ENGINEER OF DESIGN	
ABUTMENT DETAILS-FOOTING LARAMIE AVENUE GRADE SEPARATION OVER CONGRESS STREET EXPRESSWAY	
COMPUTED BY DRAWN BY CHECKED BY	PROJECT: N.E. SELLER SCALE: APPROVED: [Signature] DATE: 5/1/31
APPROVED BY [Signature]	DATE: 5/1/31

[illegible]

Notes:

- See Sheet #14 for Details of Counterforms
- 17 For Abutment Underpinning
- 11 For Abutment Aprons
- 18 For Bar Schedule & Bill of Materials

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

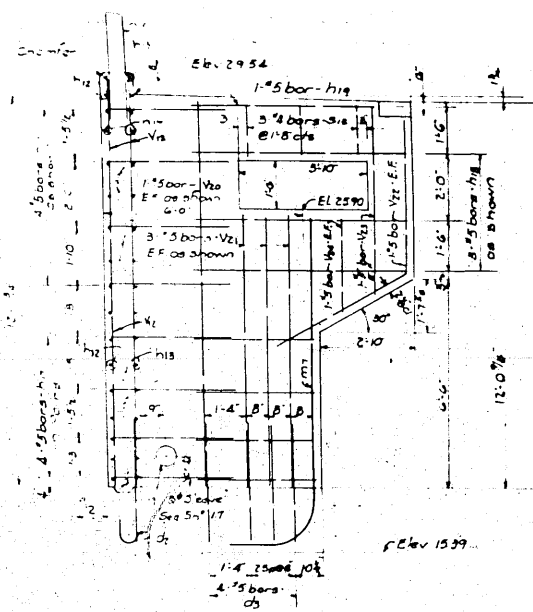
WILLIAM R. FRICKSON
President, Cook County Board of Supervisors

ABUTMENT DETAILS - WING WALL
LARAMIE AVENUE GRADE SEPARATION
OVER
CONGRESS STREET EXPRESSWAY

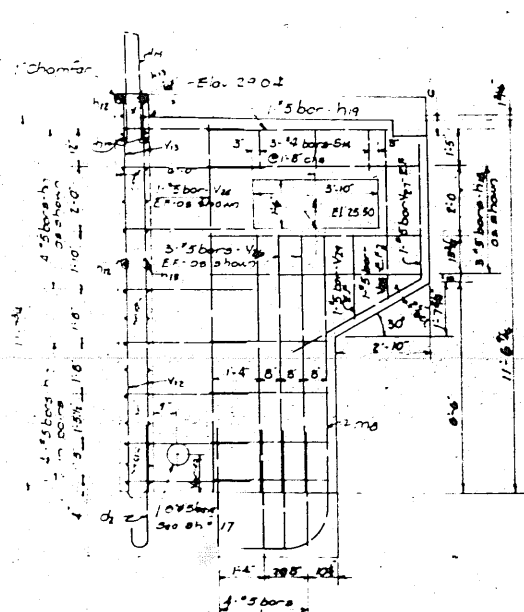
COMPUTED BY *[Signature]*
DRAWN BY *[Signature]*
CHECKED BY *[Signature]*

PROJECT U.S. 661 (66)
SCALE 1" = 10' (1/2" = 1')

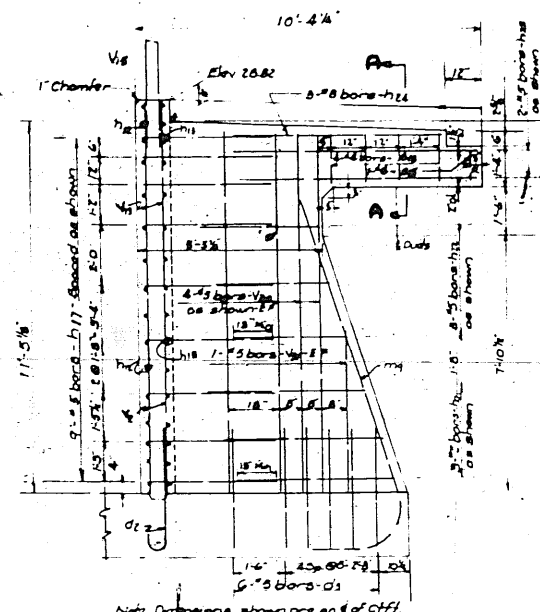
APPROVED *[Signature]* 1/31
100-30802-1113 11-6-65



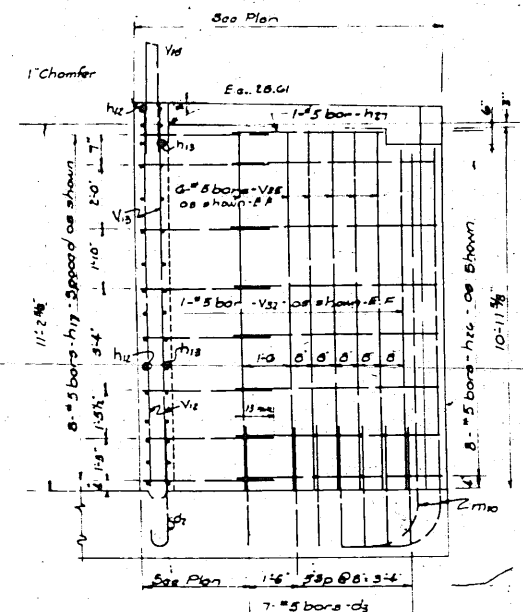
COUNTERFORT C



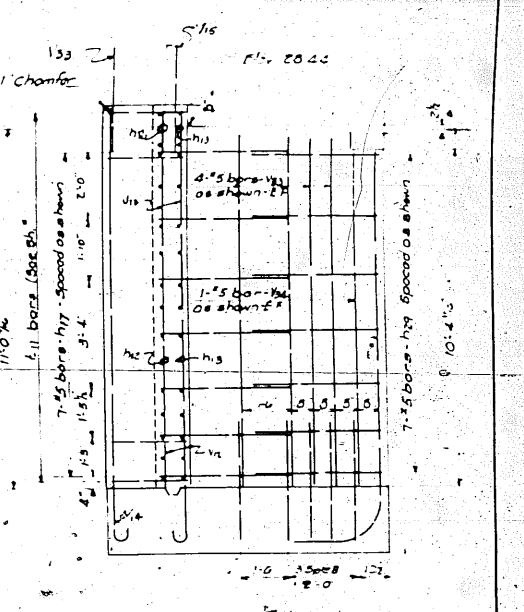
COUNTERFORT D



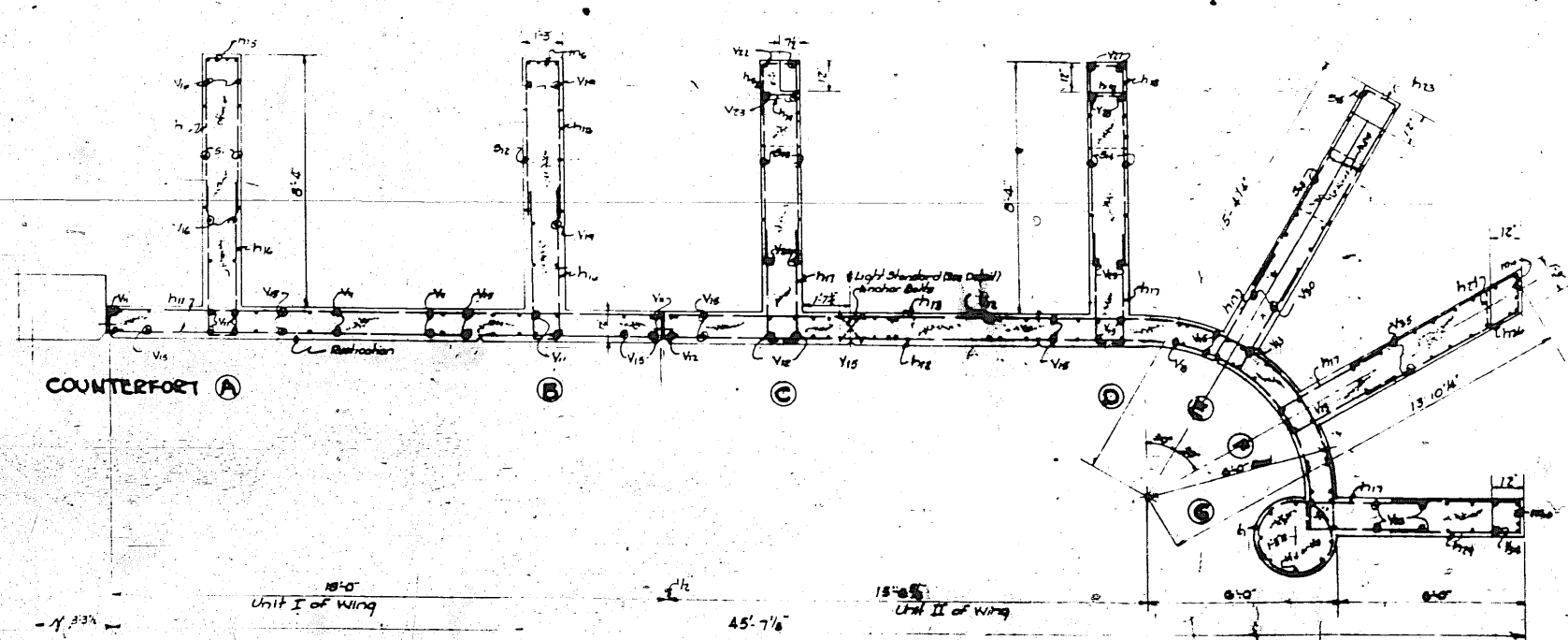
COUNTERFORT E



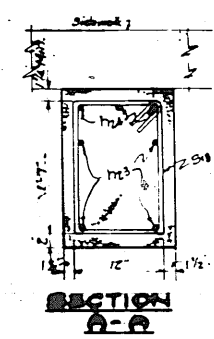
COUNTERFORT F



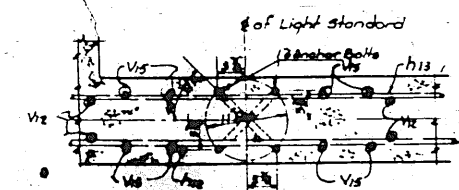
COUNTERFORT G



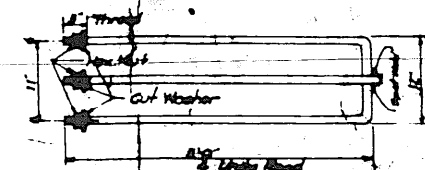
PLAN OF NORTHEAST WING WALL (N.E. WALLS SIMILAR)
(Showing Details At Top of Counterforts)



SECTION A-A



DETAIL OF ANCHORAGE FOR LIGHT STANDARD
(Wing Walls Only)

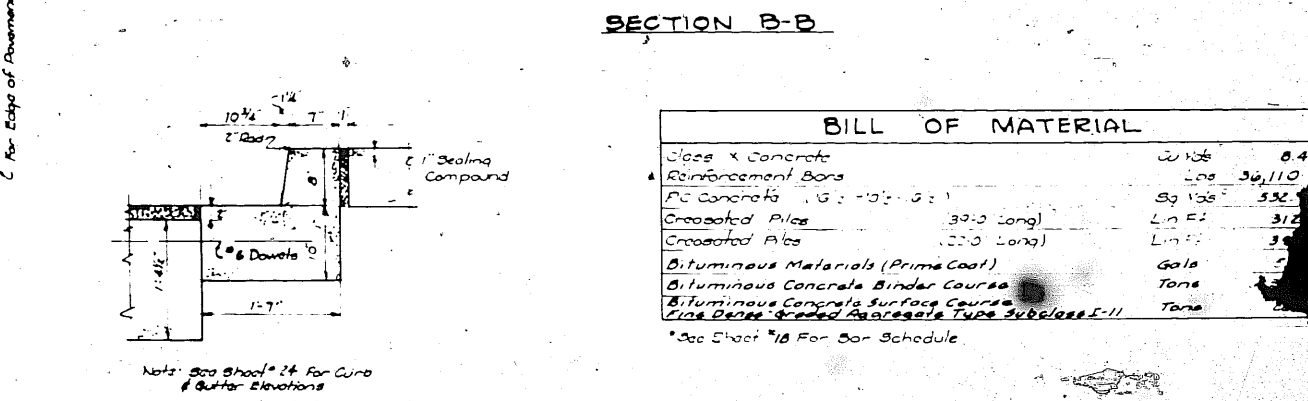
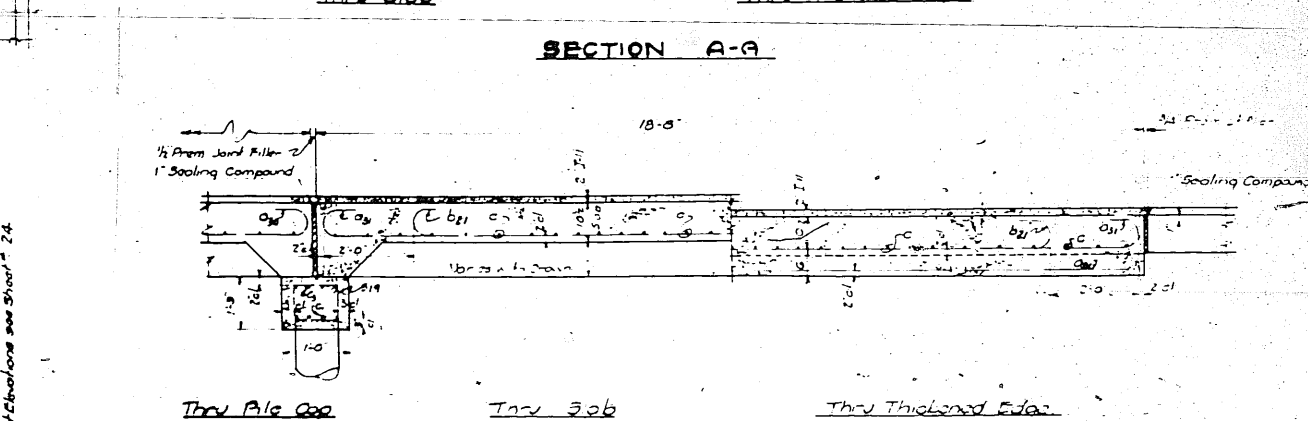
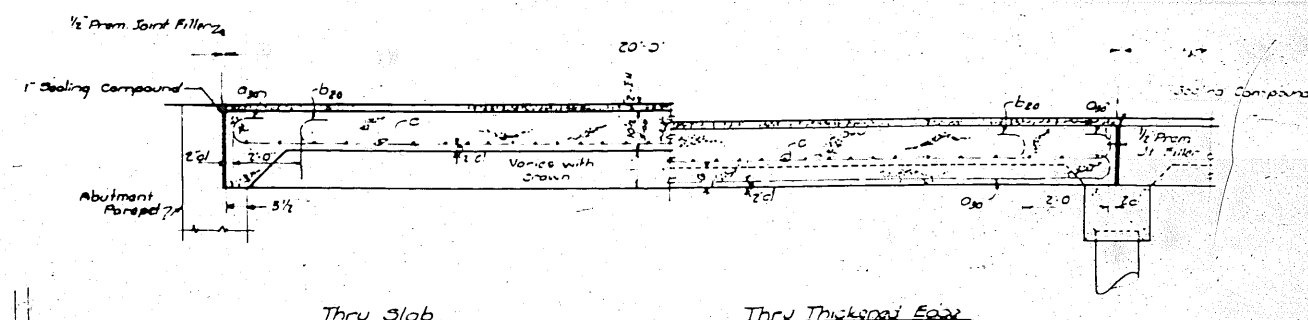
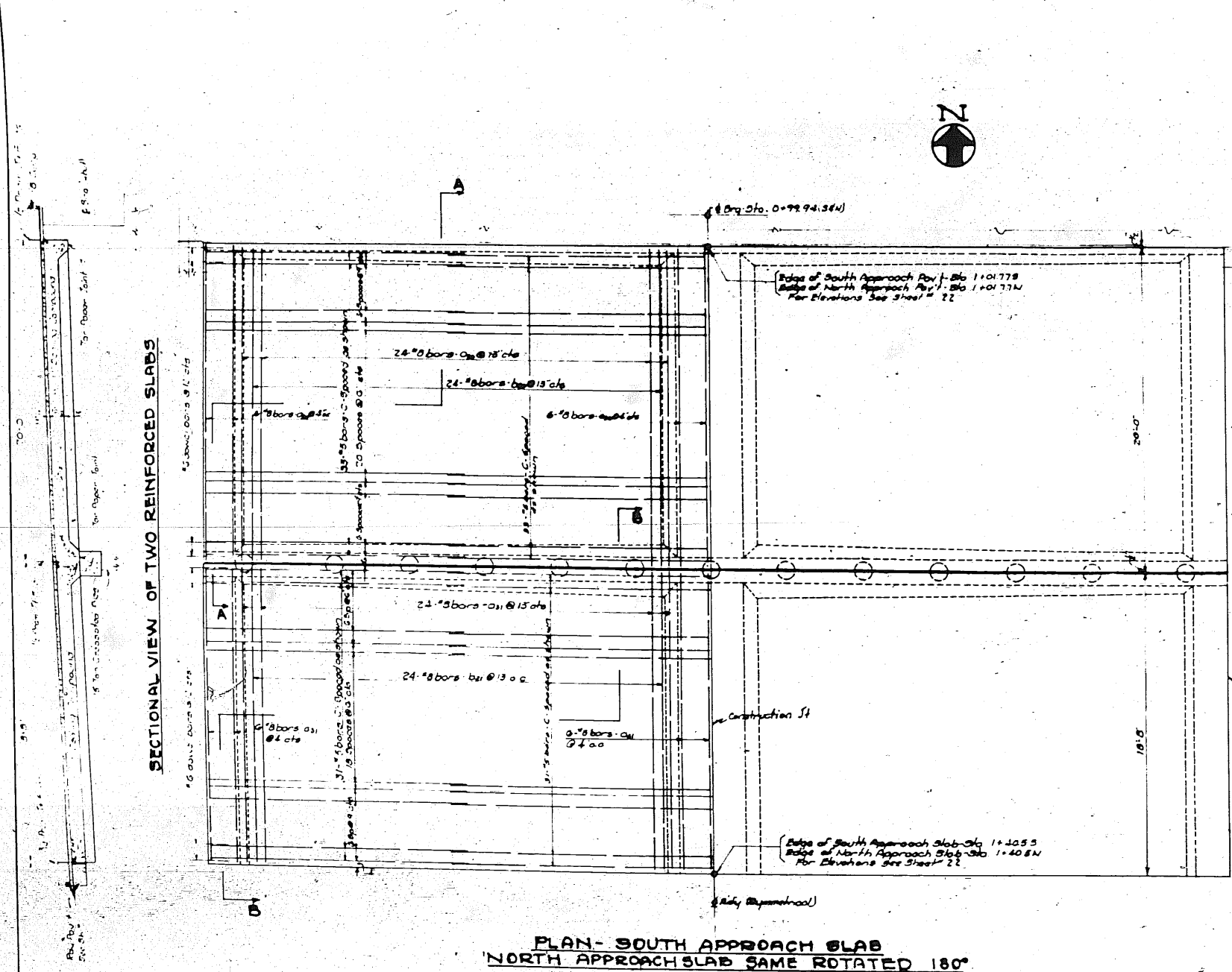


DETAIL OF T-ANCHORS FOR LIGHT STANDARD
(Wing Walls Only)

Note: Openings shown in counterforts are for C.E. Co. ducts.
See 5th. 10' for Bill of Material & Bar Schedule

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM M. ERICKSON PRESIDENT BOARD OF COMMISSIONERS		PROJECT: U.S. 401 (S.A.) SCALE: AS SHOWN APPROVED: <i>[Signature]</i>	
ABUTMENT DETAILS - WING WALL LARAMIE AVENUE GRADE SEPARATION OVER CONGRESS STREET EXPRESSWAY			
COMPILED: <i>[Signature]</i> DRAWN: <i>[Signature]</i> CHECKED: <i>[Signature]</i>	DATE: 1/15/33 SHEET NO.: 151 JOB NO.: 002-3000000	SHEET NO.: 14 JOB NO.: 002-3000000	TOTAL SHEETS: 4 JOB NO.: 002-3000000

REVISIONS		
DATE	BY	DESCRIPTION



BILL OF MATERIAL		
Slabs & Concrete	cu yds	8.4
Reinforcement Bars	Lbs	36,110
PC Concrete	Sq Yds	532
Crossed Piles (30'-0" Long)	Lbs	312
Crossed Piles (22'-0" Long)	Lbs	30
Bituminous Materials (Prime Coat)	Gals	2
Bituminous Concrete Binder Course	Tons	1
Bituminous Concrete Surface Course	Tons	1
Line & Range Graded Aggregate Type Subclass F-11	Tons	1

NOTES

The slabs shall be paid for at the contract unit price for PC Concrete Pavement (14" x 10" x 12").

The Concrete Cap shall be paid for at the contract unit price for Class X Concrete.

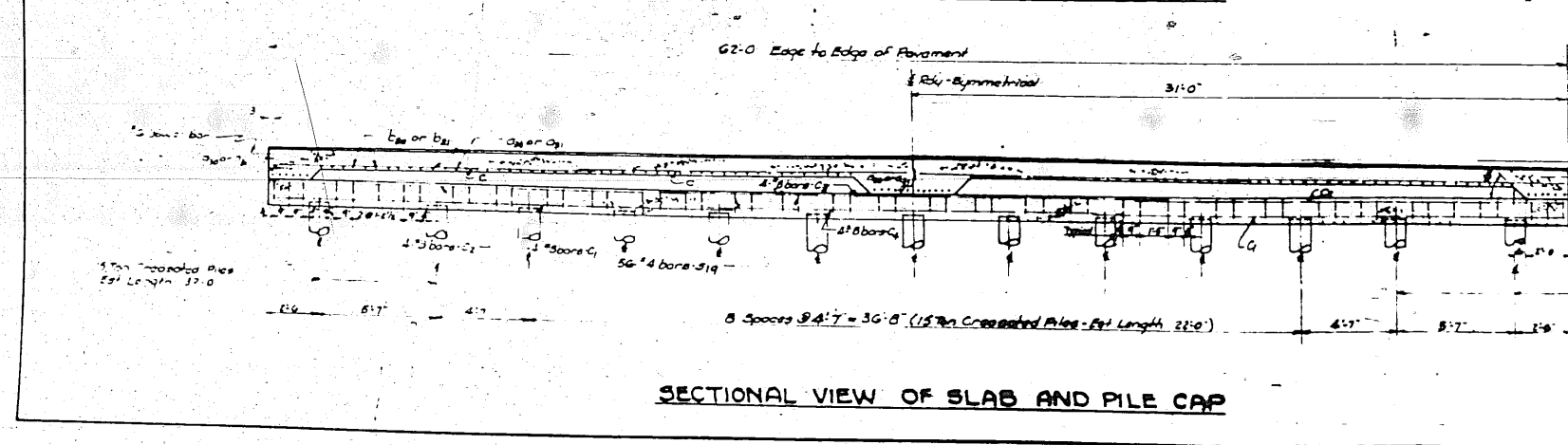
All Reinforcement Bars, omitting Curb & Gutter Bars, shall be paid for at the contract unit price for Reinforcement Bars.

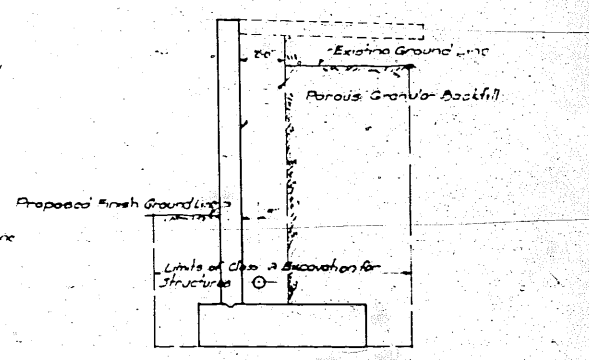
The Phenolic Joint Filler and Tar Paper shall be paid for at the contract unit price for PC Concrete Pavement (14" x 10" x 12").

All piles shall be driven to obtain a minimum penetration of 10'-0" into stratum of satisfactory regard less of bearing capacity.

ESTIMATED PILE LENGTHS	
Projecting	2'-0"
Supporting	20'-0"
Total	22'-0"
Projecting	19'-0"
Supporting	20'-0"
Total	39'-0"

DEPARTMENT OF HIGHWAYS			
COOK COUNTY, ILLINOIS			
WILLIAM N. ERICKSON PRESIDENT BOARD OF SUPERVISORS		WILLIAM J. MORTIMER ACTING SUPERINTENDENT	
APPROACH SLAB			
LARAMIE AVENUE GRADE SEPARATION			
OVER			
CONGRESS STREET EXPRESSWAY			
COMPUTED	BY	DATE	DESCRIPTION
SCALE	PROJECT	APPROVED	APPROVED
HECKED	APPROVED	APPROVED	APPROVED
MOVED	APPROVED	APPROVED	APPROVED
APPROVED	APPROVED	APPROVED	APPROVED





SECTION A-A

COM: LITTON		PROJECT: 4. J. 2. 61 (66)	
DRAWN: [Signature]		SCALE: 1" = 10'	
CHECKED: [Signature]		APPROVED: [Signature]	
APPROVED: [Signature]		Shade And Stake Pins	Shore Pins Water Shore Pins
[Signature] 5/31		ONE 2032 2032	17 2032