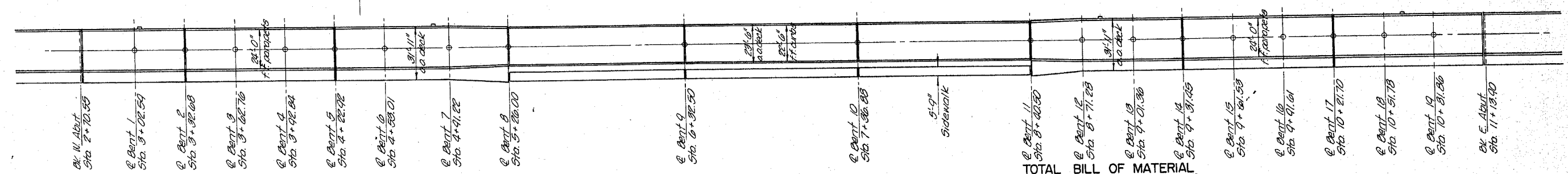


ELEVATION

STRUCTURE NO. 050-8016
 BROADWAY STREET VIADUCT
 REBUILT 197 BY
 CITY OF STREATOR
 SECTION 43B-CS
 LOADING HS 15

LETTERING FOR NAME PLATE
 See Std 2113-1
 See Sheet 25 For Location



PLAN

INDEX OF SHEETS

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- 22 Pedestal Repair
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- 27 Lighting Details

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
 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.
 Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
 Expansion bolts shall consist of self drilling expansion anchors and 3/4" ϕ hooked bolts, extending 9" into the new concrete.

BROADWAY STREET VIADUCT 197
 CITY OF STREATOR

MAYOR	THEODORE BAKALAR
CITY CLERK	EDWARD NOWOTARSKI
TREASURER	EUGENE BEDNAR

COMMISSIONERS

JOHN BODZNICK	ART DELL
RICHARD CONNER	JOHN HART

CHAMLIN AND ASSOCIATES, INC. CONSULTING ENGINEERS
 COLLINS AND RICE, INC. STRUCTURAL ENGINEERS

NAME PLATE, SPECIAL

Material shall conform to Std 2113-1. Eight lugs at least 3" long shall be cast on back of plate. Letter heights and spaces shall be as shown on Std 2113-1. See sheet 23 for location.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Bituminous Concrete Surface Course, Cl. I	Ton	188		188
Removal of Existing Concrete Bridge Slab	Lump Sum	1		1
Concrete Removal	Cu. Yd.		19.2	19.2
Expansion Bolts 3/4 Inch	Each		50	50
Bridge Handrail Removal	Lin. Ft.	1,050		1,050
Structure Excavation	Cu. Yd.		440	440
Cast Iron Frames and Grates, Type R-3924	Each		0	0
Cast Iron Frames and Grates, Type R-3935	Each		4	4
Cast Iron Soil Pipe 6"	Lin. Ft.	92		92
Protective Coat	Sq. Yd.	1,540		1,540
Class X Concrete	Cu. Yd.	798.8	235.0	1,033.8
Furnishing and Erecting Structural Steel	Pound	2,090	1,330	3,420
Cleaning and Painting Steel Bridge	Lump Sum			1
Aluminum Railing	Lin. Ft.	1,510		1,510
Pipe Handrail	Lin. Ft.	723		723
Chain Link Fence	Lin. Ft.	1,379		1,379
Reinforcement Bars	Pound	165,310	15,220	180,530
Name Plates	Each		1	1
Preformed Joint Sealer (2 1/2 Inch)	Lin. Ft.	158		158
Preformed Joint Sealer (4 Inch)	Lin. Ft.	90		90
Pedestal Repairs	Lump Sum		1	1
Waterproofing Membrane System	Sq. Yd.	2,174		2,174
Name Plates, Special	Each		1	1
Removal of Existing Walls	Lump Sum			1
Porous Granular Embankment	Ton		1,110	1,110

Approximate weight of steel bridge to be cleaned & painted in accordance with Method I of the Standard Specifications.
 Trusses = 259 Tons
 Approaches & Bents = 311
 Total = 570 Tons

DESIGN STRESSES

- $f_c = 1,200$ p.s.i. (Deck Slab)
- $f_c = 1,000$ p.s.i. (Wings)
- $f_s = 20,000$ p.s.i. (Reinforcement)
- $f_s = 20,000$ p.s.i. (New Structural) (A-36)
- $v = 75$ p.s.i. (Footings)
- $n = 10$
- LOADING HS 20-44 (RC Slab Only)

GENERAL PLAN & ELEVATION
 BROADWAY STREET VIADUCT
 SECTION 43B-CS
 CITY OF STREATOR
 LASALLE COUNTY

7-21-75
 Fred J. Stone Jr.
 Illinois Structural No. 2934

DESIGNED F.S.
 DRAWN A.O.
 CHECKED W.K.B.
 DATE 7-3-75 NO. 470