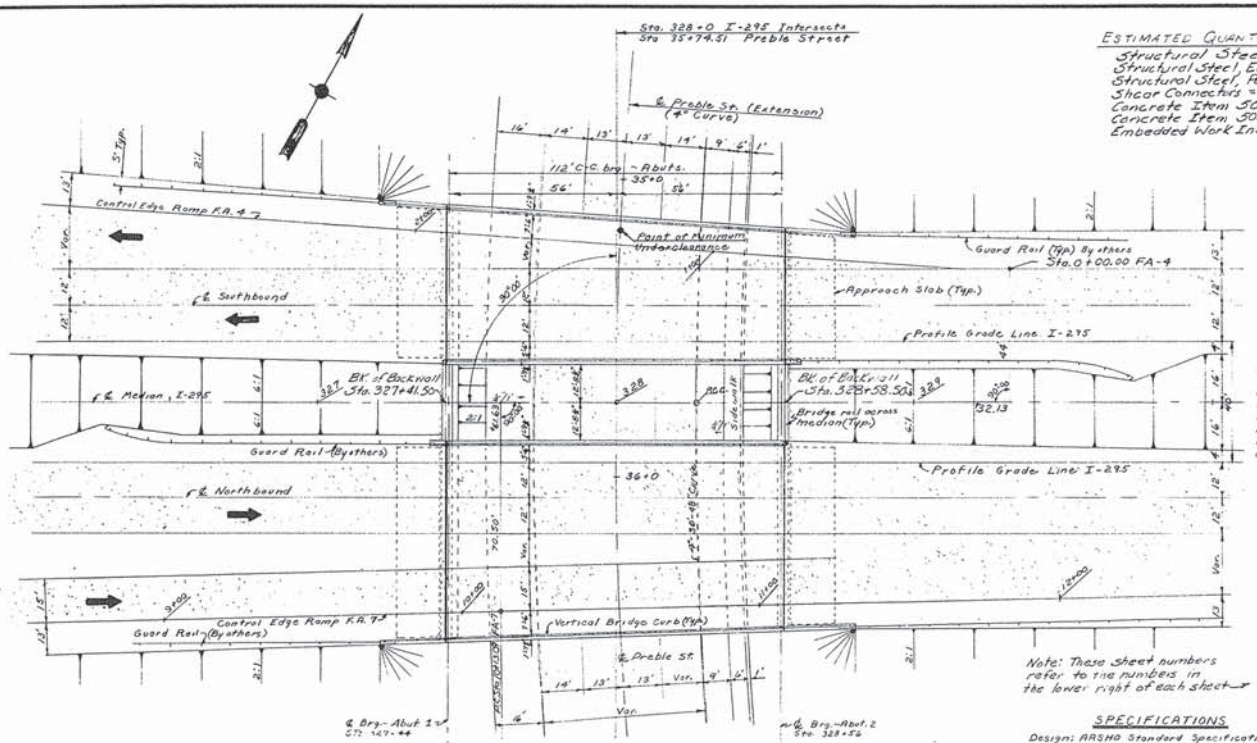
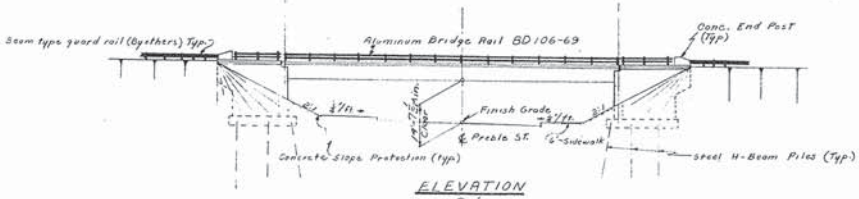
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	7295 3(66)	60	236



PLAN

Scale: 1" = 50'



ELEVATION

Scale: 1" = 5'

Note: This plan and elevation show the completed bridge. This contract is a stage construction contract which calls for the construction of the bridge structures and part of the embankments. For details of work to be completed see the detailed plans.

ESTIMATED QUANTITIES FOR LUMP SUM ITEMS

Structural Steel, Fab & Del. =	492,000	lbs.
Structural Steel, Erection =	492,000	lbs.
Structural Steel, Painting =	492,000	lbs.
Shear Connectors = 3276 Studs =	3200	lbs.
Concrete Item 502.2602	360	C.Y.
Concrete Item 502.3102	80	C.Y.
Embedded Work In Structures = 300' of 2" Pvc plus fittings		

INDEX OF SHEETS

1	General Plan	
2-3	Foundation Survey	
4	Boring Details	
5	Footing Plan	
6	Part-Abut. No. 1 (N.B.)	
7	Part-Abut. No. 1 (S.B.)	
8	Part-Abut. No. 2 (N.B.)	
9	Part-Abut No 2 (S.B.)	
10	Architectural Treatment	
11	Abut. Details & App. Slabs	*
12	Concrete Slope Protection	
13	Structural Steel	
14	Blocking Table	
15	Armored Joint	
16	Superstructure (N.B.)	
17	Superstructure (S.B.)	
18	Part-Superstructure-Reinf.	
19	Bridge Rail Layout	
20	Reinforcing Steel Schedule	
	BD 101-70 31/236	
	BD 104-71 32/236	
	BD 101-70 39/236	

Note: These sheet numbers refer to the numbers in the lower right of each sheet.

ESTIMATED BRIDGE QUANTITES

Item No.	Description	Unit	Quant.
304.10	Aggregate Subbase Course - Gravel	C.Y.	120
501.217	Steel H-beam Piles 89 lbs/ft.	L.F.	13,100
50221	Structural Concrete, Abuts. & Retaining Walls	Cu Yd.	920
502.2602	Struct Conc., Rway & Sidewalk Slabs on Str Br.	L.S.	1
502.3102	Structural Concrete, Approach Slabs	L.S.	1
503.12	Reinforcing Steel, Fab & Delivered	Lb.	172,000
503.13	Reinforcing Steel, Placing	Lb.	172,000
504.1002	Structural Steel, Fab & Delivered	L.S.	1
504.102	Structural Steel, Erection	L.S.	1
505.0802	Shear Connectors	L.S.	1
506.1802	Field Painting Structural Steel	L.S.	1
507.08	Bridge Railing	L.F.	578
508.10	Membrane Waterproofing	Sq. Yd.	1370
512.07	French Drains (Stones Only)	Cu. Yd.	48
513.09	Slope Protection - Portland Cement Conc.	Sq. Yd.	456
515.20	Protective Coating for Concrete Surfaces	Sq. Yd.	214
609.13	Vertical Bridge Curb-Type 1	L.F.	557
638.0102	Embedded Work in Structures	L.S.	1

* Item by others, not a part of this contract

SPECIFICATIONS

Design: AASHO Standard Specifications for Highway Bridges, 1969 with Interim Specifications 1970-1971.
Contract: State of Maine, State Highway Commission Standard Specifications, Highways & Bridges, Revision of June, 1968.

LIVE LOADING

HS20-44 as modified for Interstate.

ALLOWABLE STRESSES

Concrete - f_c = 1200 psi, n = 10
Reinforcing Steel - ASTM A615 Grade 60 = 24,000 p.s.i.
Structural Steel - A36 = 22,000 p.s.i.
A 572 - Grade 50 f_s = 27,000 p.s.i.

CONCRETE CLASSIFICATION

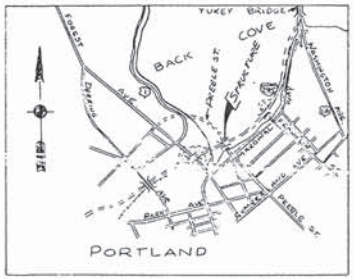
Concrete Slope Protection - Class A
All others - Class A

STRUCTURAL STEEL CLASSIFICATION

Flange Plates & Web Plates - A 572 - Grade 50
All other structural steel to be ASTM A36 unless otherwise noted.

REINFORCING STEEL

A.S.T.M. A615 Grade 60



LOCATION MAP

0 .5 1 Miles

Rev. FCL Eng. Dec.
DESIGN - PRR
TRACE -
CHECK -
BRIDGE NO.
SURVEY -
PLOT -

STATE HIGHWAY COMMISSION

INTERSTATE 295
OVER
PREBLE STREET
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

GENERAL PLAN

SHEET 1 OF 20 AUGUSTA, MAINE April 1972

PORTLAND