B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8 (49)	1	16

STATE OF MAINE

STATE HIGHWAY COMMISSION

ROUTE 43

OVER

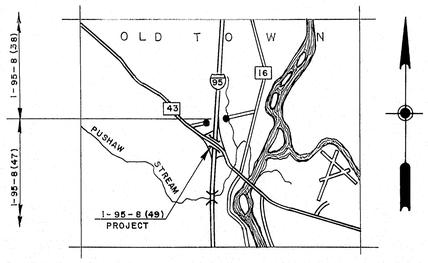
INTERSTATE 95

IN THE CITY OF

OLD TOWN

PENOBSCOT COUNTY

FEDERAL AID PROJECT NO. I-95-8(49)191



LOCATION MAP

APPROX. SCALE - 1" = 1 MILE

INDEX OF SHEETS

1.	Title
2.	Foundation Survey
3.	Boring Details
4.	Temporary Detour, Profile, Survey
5.	General Plan - Quantities
6.	Profile and Slope Paving
7.	Cross Sections
8.	Abutment 1.
9.	Piers
10.	Abutment 2., Approach Slabs
11.	Structural Steel
12.	Blocking, Beam Grades
13.	Expansion Dams
14.	Superstructure Slab
15.	Superstructure Details
16.	Reinforcing Steel

Standards: BD 101-64
BD 102-64
BD 103-64
BD 104-64

TRAFFIC

ROUTE 43			INTERSTATE 95
450	A.D.T.	1963	2000
630	A.D.T.	1983	3000
70	D.H.V.	1963	240
95	D.H.V.	1983	360
15%	T		14%
50	D		60
45	V		60

APPROVED
MAINE STATE HIGHWAY COMMISSION

Daniel A. Stevens
CHAIRMAN

Carl M. Stilphen

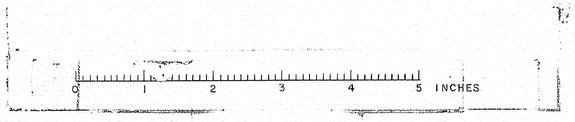
CHIEF ENGINEER — DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 1

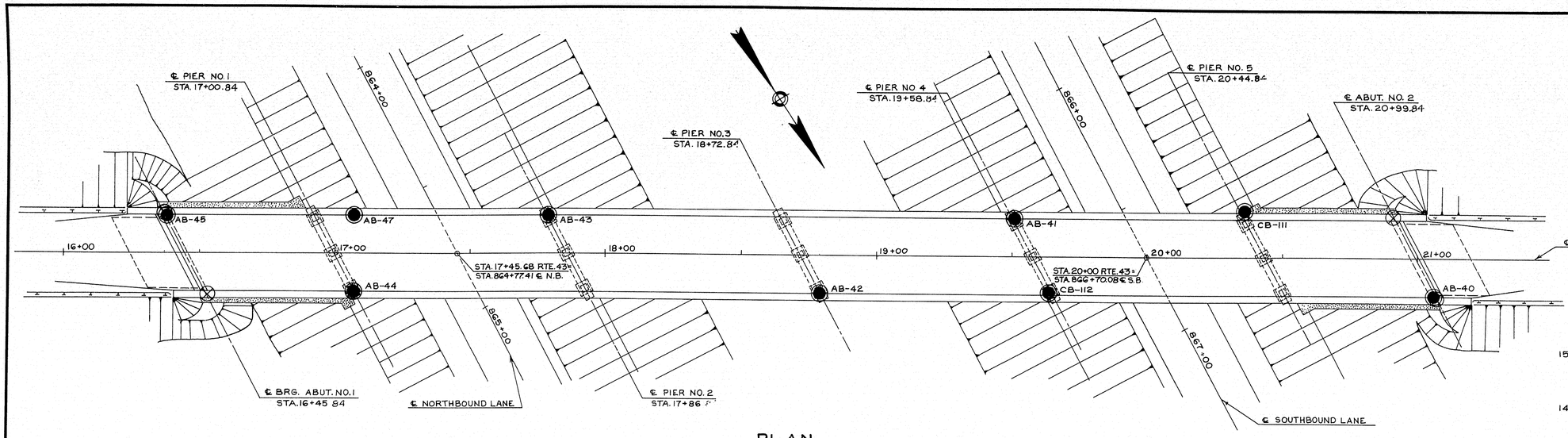
APPROVED

DIVISION ENGINEER — DATE

92-68



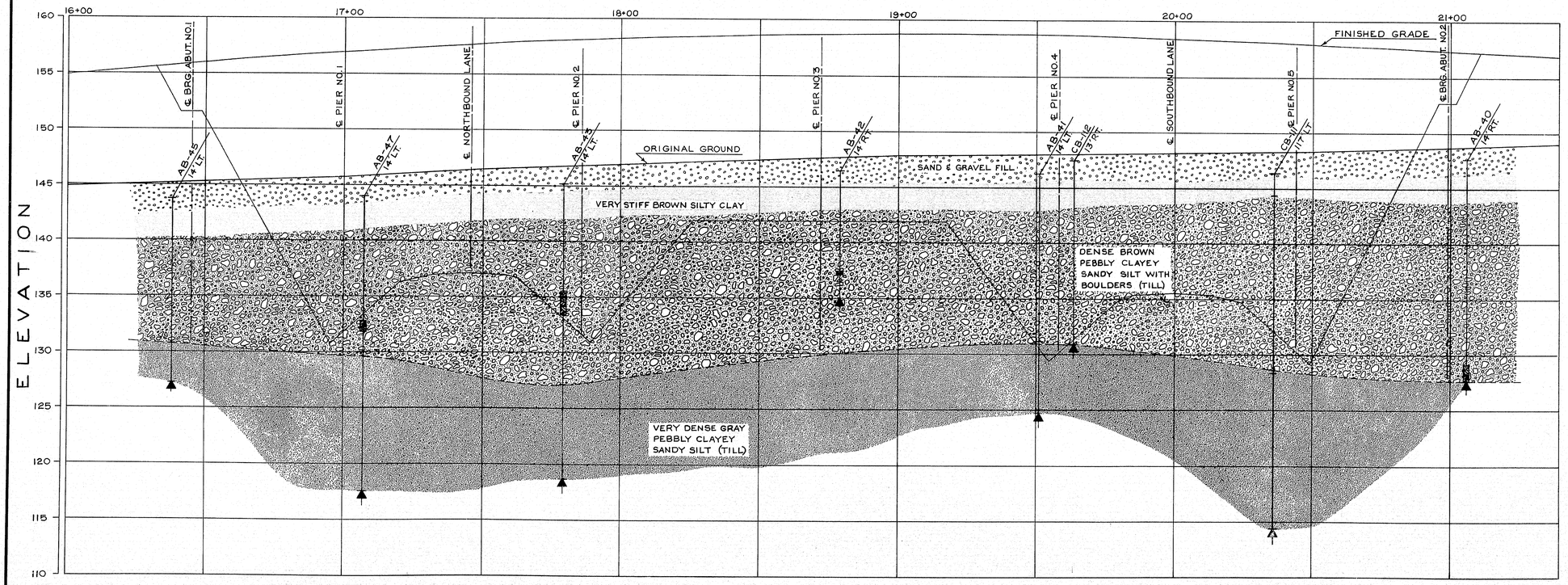
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-3(49)	2	16



PLAN
SCALE : 1" = 20'

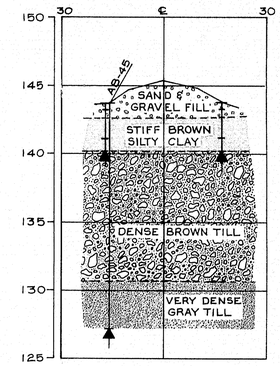
℄ PROFILE RTE. 43

HORIZ. SCALE : 1" = 20' VERT. SCALE 1" = 5'

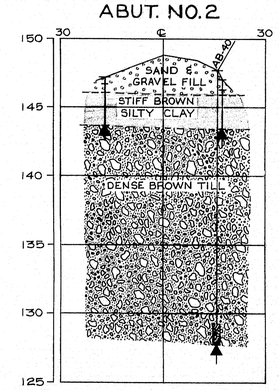


TRANSVERSE PROFILES

ABUT. NO. 1



ABUT. NO. 2



DESIGN– } Soils Division
TRACE–
CHECK–

BRIDGE NO.
SURVEY–
PLOT–

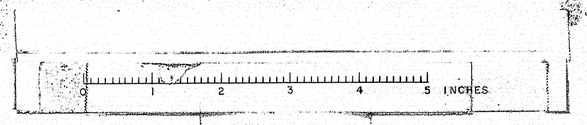
STATE-HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
FOUNDATION SURVEY

SHEET 2 OF 16 AUGUSTA, MAINE FEB. 19

C. B. CO., NO. 44-302 38216

92-69

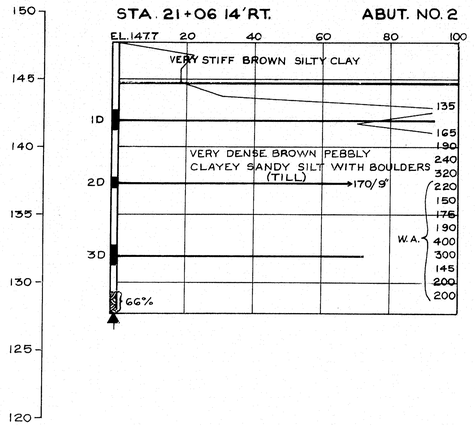


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(49)	3	16

ELEVATION

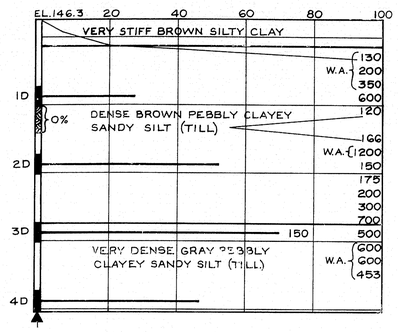
BORING AB-40

STA. 21+06 14'RT. ABUT. NO. 2



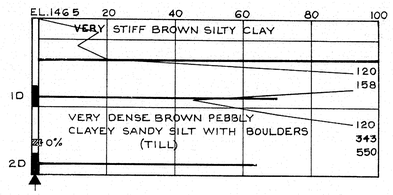
BORING AB-41

STA. 19+51 14'LT. PIER NO. 4



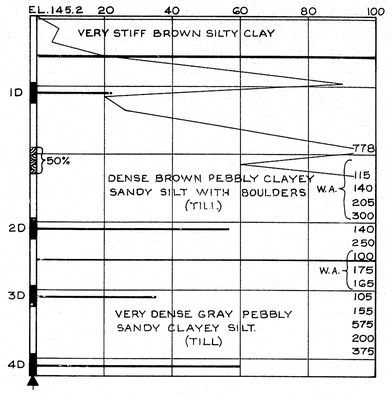
BORING AB-42

STA. 18+79 14'RT. PIER NO 3



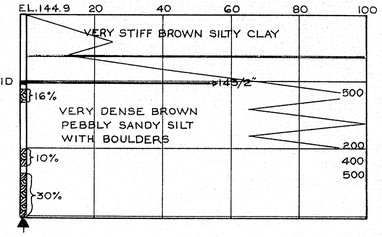
BORING AB-43

STA. 17+79 14'LT. PIER NO. 2



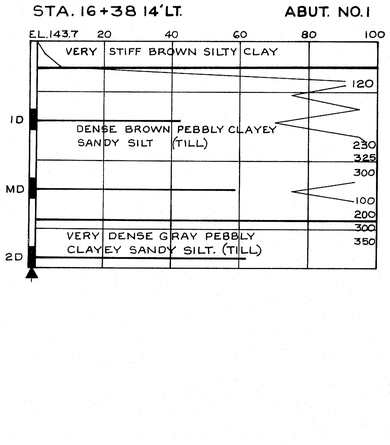
BORING AB-44

STA. 17+07 14'RT. PIER NO. 1



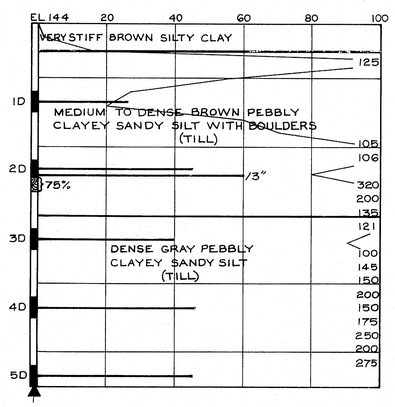
BORING AB-45

STA. 16+38 14'LT. ABUT. NO. 1



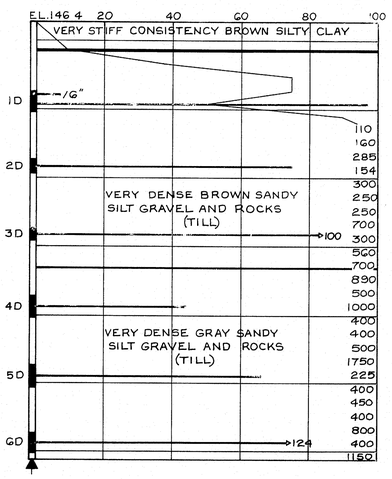
BORING AB-47

STA. 17+07 14'LT. PIER NO. 1



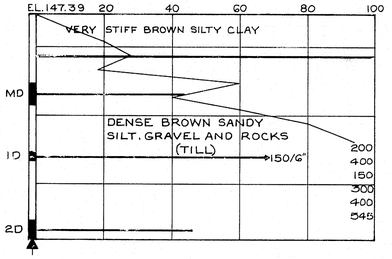
BORING CB-111

STA. 866+72 40'LT. S.B. PIER NO. 5



BORING CB-112

STA. 866+65 38'RT. S.B. PIER NO. 4



BORING NOTES

ALL SAMPLES ARE MADE AHEAD OF CASING
NUMBER OF BLOWS REQUIRED TO DRIVE EXTRA HEAVY CASING ONE FOOT WITH 400 FT. LBS. OF ENERGY PER BLOW.

LOCATION OF SAMPLE OR SAMPLE ATTEMPT.

ID NUMBER AND TYPE OF DRY SAMPLE.
S & H SAMPLER #1290'S

MD UNSUCCESSFUL SAMPLE ATTEMPT AND TYPE OF SAMPLER.

NUMBER OF BLOWS REQUIRED TO DRIVE SPOON OR TUBING ONE FOOT WITH 350 FT LBS OF ENERGY PER BLOW

BOTTOM OF BORING (MAY NOT BE BOTTOM OF SOIL STRATA)

71% LOCATIONS CORED BY DIAMOND BIT AND PER CENT RECOVERY OF CORE.
CASING SIZE 2½"

WA WASHED AHEAD

DESIGN— TRACE— CHECK—	Soils Division
BRIDGE NO. SURVEY— PLOT—	

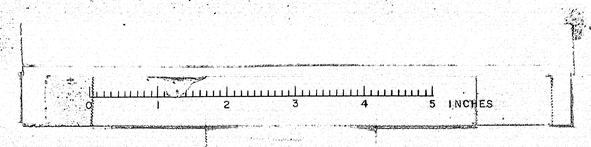
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
BORING DETAILS

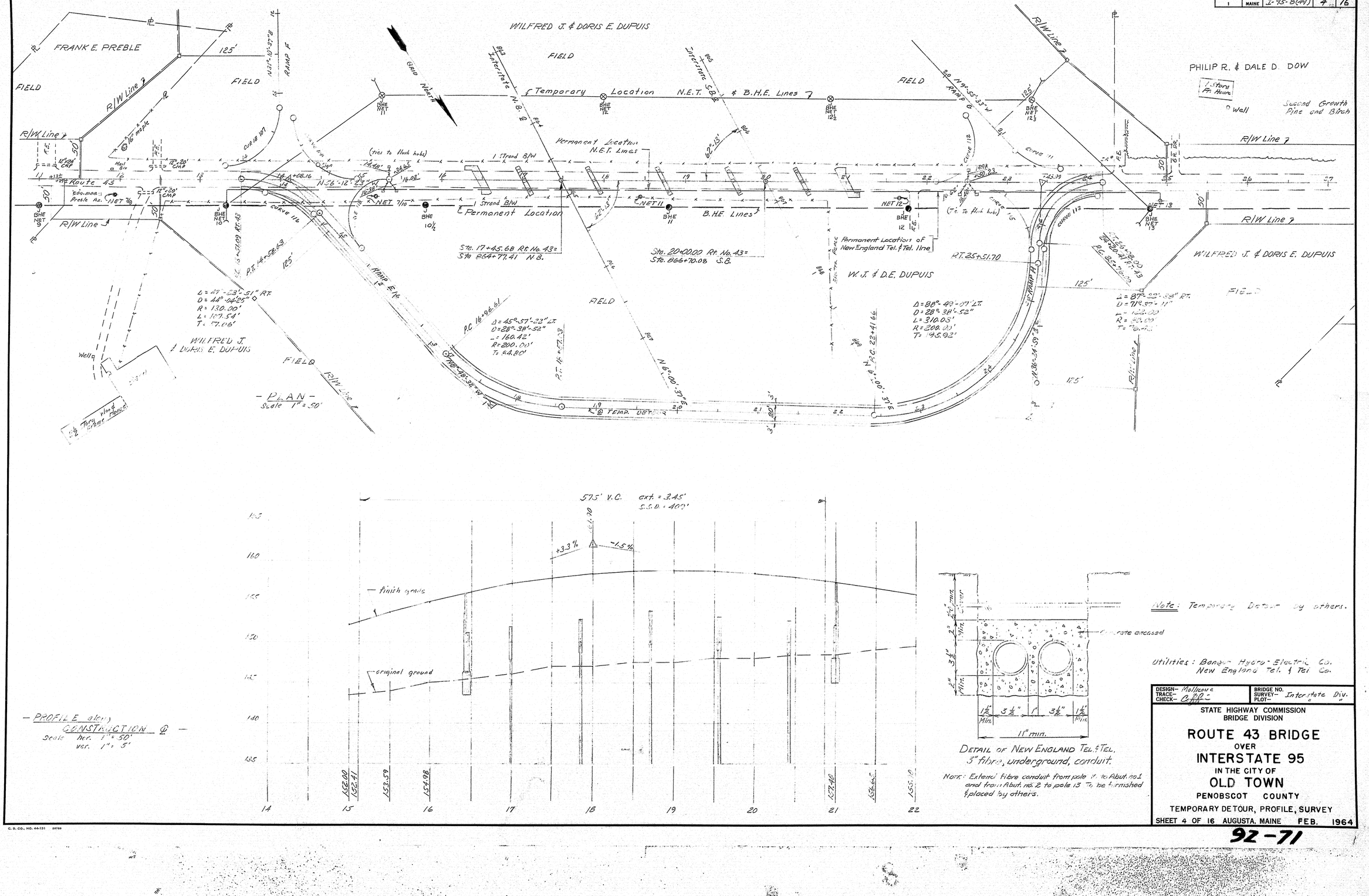
SHEET 3 OF 16 AUGUSTA, MAINE FEB. 1964

92-70

C. B. CO., NO. 44-302 28818



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-B(49)	4	16



- PROFILE along CONSTRUCTION Ω -
Scale hor. 1" = 50'
ver. 1" = 5'

DETAIL OF NEW ENGLAND TEL. & TEL. 3" fibre, underground, conduit.

NOTE: External fibre conduit from pole 1 to Abut. no. 1 and from Abut. no. 2 to pole 13 To be furnished & placed by others.

Note: Temporary Detour by others.

Utilities: Bangor Hydro-Electric Co.
New England Tel. & Tel Co.

DESIGN– Mallcoat	BRIDGE NO.
TRACE–	SURVEY– Interstate Div.
CHECK– CPP	PLOT–

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY

TEMPORARY DETOUR, PROFILE, SURVEY

SHEET 4 OF 16 AUGUSTA, MAINE FEB. 1964

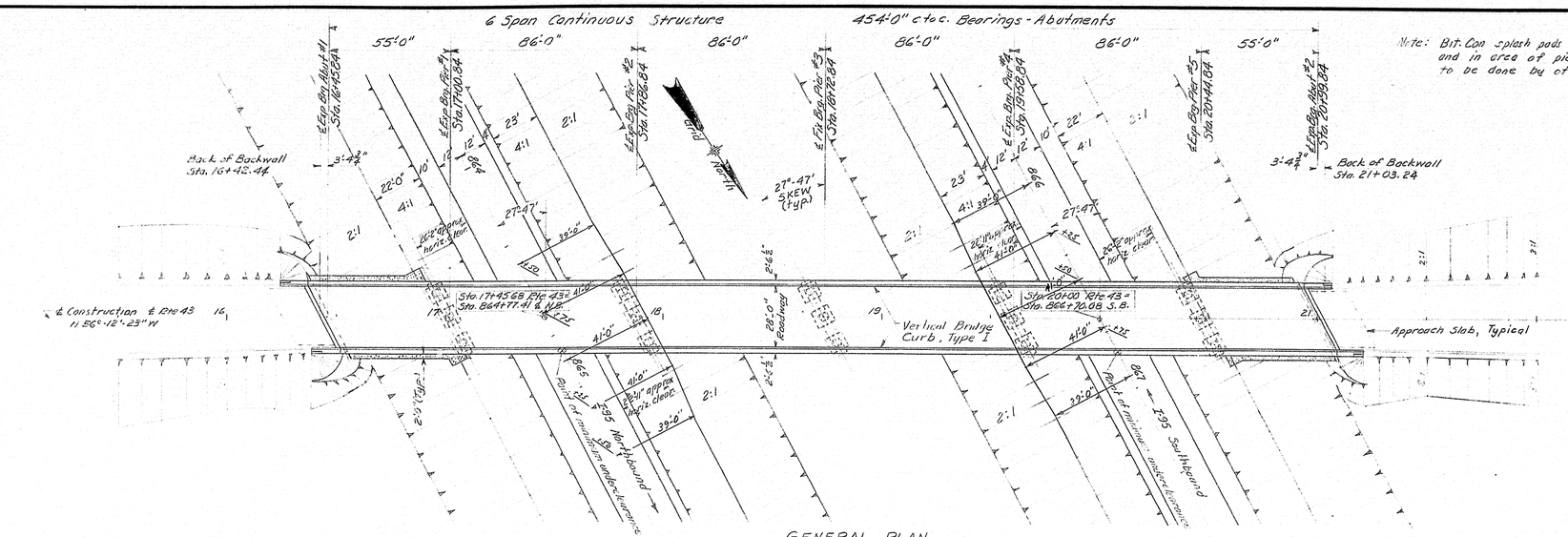
92-71

C. S. CO., NO. 44-131 28726

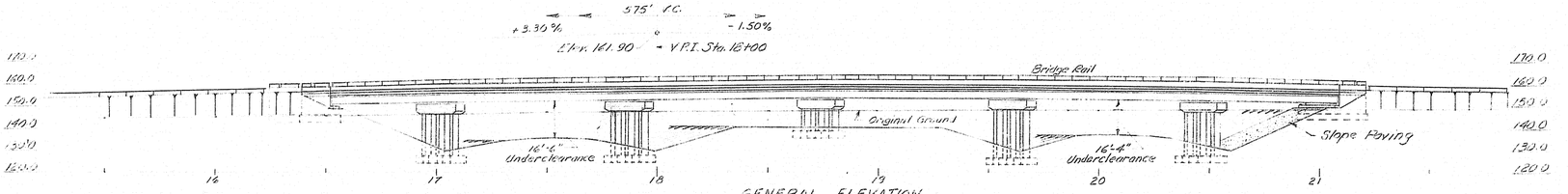
0 1 2 3 4 5 INCHES

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I 95-8(49)	5	16

6 Span Continuous Structure — 454'-0" c to c. Bearings - Abutments



GENERAL PLAN
Scale 1"=30'



GENERAL ELEVATION
Scale 1"=30'

ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITIES	BRIDGE QUANTITIES
	Earth Excav., Plain	c.y.	1300	1300
	Granular Borrow	c.y.	1000	
	Gravel Borrow (In place measure)	c.y.	1550	
	Gravel Base Course (In place measure)	c.y.	450	
*	Bituminous Concrete Curb, Type 4	Tons	155	155
	Class A Concrete, Abutments & Retaining Walls	c.y.	200	200
	Class A Concrete, Piers	c.y.	300	300
	Class A Concrete, Reinf. Slab & S.S. Girder Bridge	c.y.	485	485
	Concrete Cylinders	No.	1	1
	Structural Steel, Fab. & Del.	L.S.	L.S.	L.S.
	Structural Steel, Erection	L.S.	L.S.	L.S.
	Structural Steel, Field Painting	L.S.	L.S.	L.S.
	Reinforcing Steel, Delivered	Lbs.	154,000	154,000
	Reinforcing Steel, Placing	Lbs.	154,000	154,000
	Bridge Rail	L.F.	950	950
*	Membrane Waterproofing	Sq.Yd.	1,420	1,420
	Epoxy Resin Surface Sealant	Sq.Yd.	75	75
	Vertical Bridge Curb, Type I	L.F.	960	960
	Loam, In Place Measure	c.y.	100	
	Seeding, Method #2	Units	11	
	Hay Mulch	Tons	0.5	
	Slope Paving	Sq.Yd.	485	

* Not part of this contract

Note: Structural Steel - 459,200 Lbs. (Includes weight of drains)

Note: Bit. Con splash pads under drains and in area of piers as required to be done by others.

SPECIFICATIONS

DESIGN: AASHO Standard Specifications for Highway Bridges, 1961 and Interim Specifications 1961 and 1962

CONSTRUCTION: State of Maine, State Highway Commission, Standard Specifications, Highways and Bridges, Revision of Jan. 1956 and Supplemental Specifications February 1960.

LOADING

HS20-44

ALLOWABLE STRESSES

Concrete (n=10) - f_c = 1200 psi
Reinforcing Steel, Int. Grade - f_s = 20,000 psi
Structural Steel - f_s = 20,000 psi (ASTM-A36)

CONCRETE CLASSIFICATION

All concrete shall be Class A"

STRUCTURAL STEEL CLASSIFICATION

All structural steel shall conform to the latest revision of the Specification ASTM Designation A36 unless otherwise noted on the Standard Details.

DESIGN—
TRACE— F.H.Barnes
CHECK—

BRIDGE NO.
SURVEY—
PLOT—

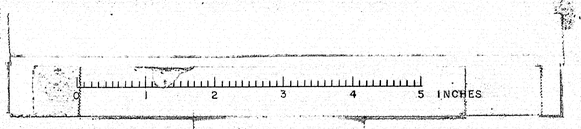
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
GENERAL PLAN

SHEET 5 OF 16 AUGUSTA, MAINE FEB. 1964

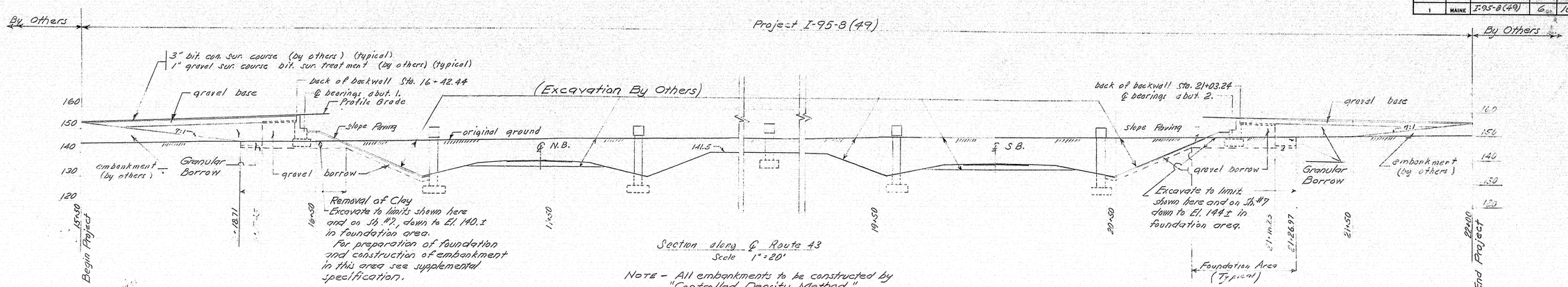
C. B. CO., NO. 44-131 38736

92-72



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(49)	6	16

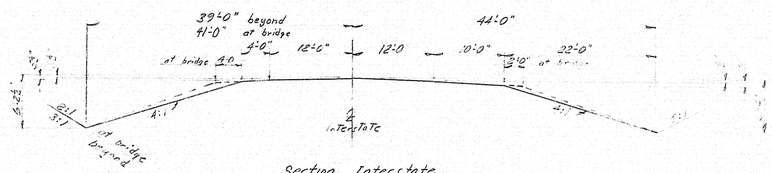
Project I-95-8(49)



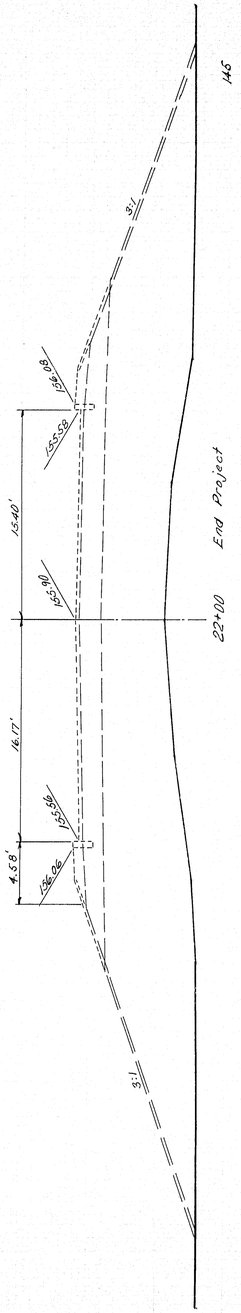
Removal of Clay
Excavate to limits shown here and on Sh. #7, down to El. 140.± in foundation area.
For preparation of foundation and construction of embankment in this area see supplemental specification.

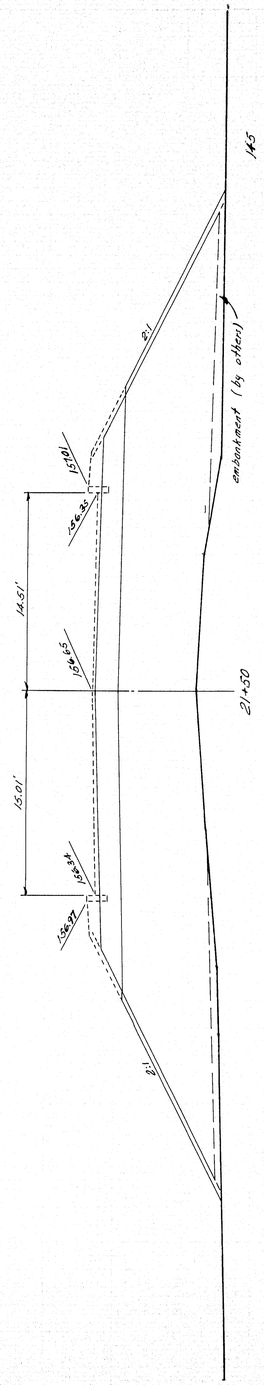
Section along ℄ Route 43
Scale 1" = 20'

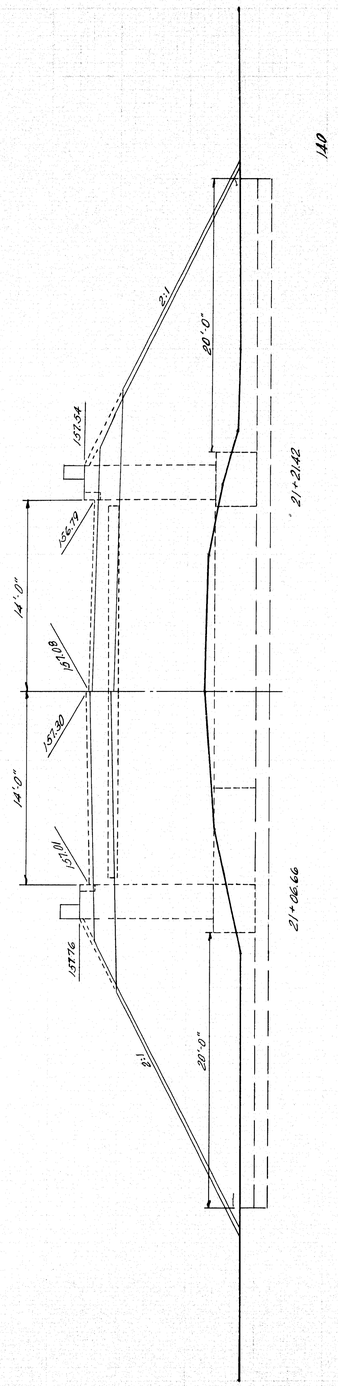
NOTE - All embankments to be constructed by "Controlled Density Method."


39'-0" beyond abut. ℄
41'-0" at bridge
44'-0"
3'-0"
12'-6"
12'-0"
10'-0"
3'-0"
22'-0"
at bridge
4:1
2:1
Int. 5
Int. 5
Int. 5

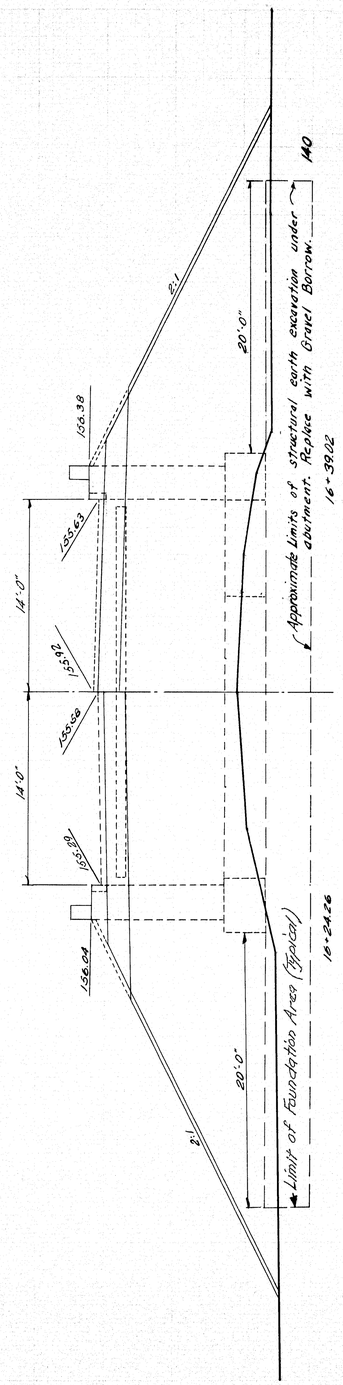
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(49)	7	16

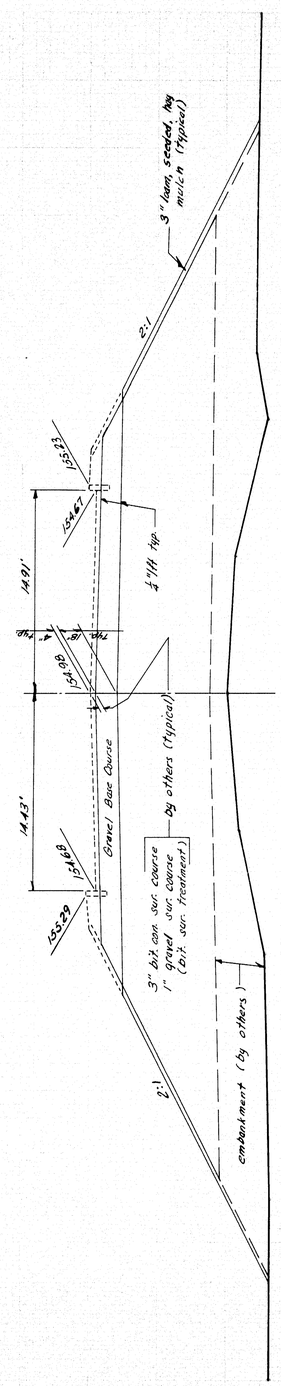


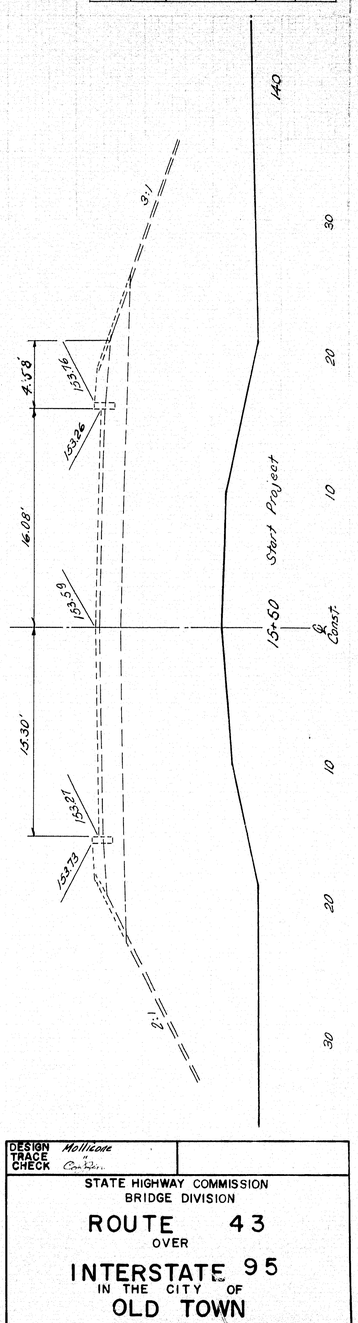




BRIDGE





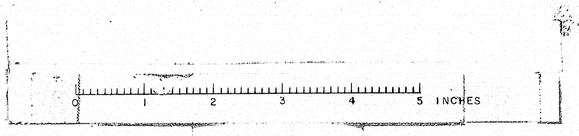


DESIGN	Mollicone
TRACE	
CHECK	

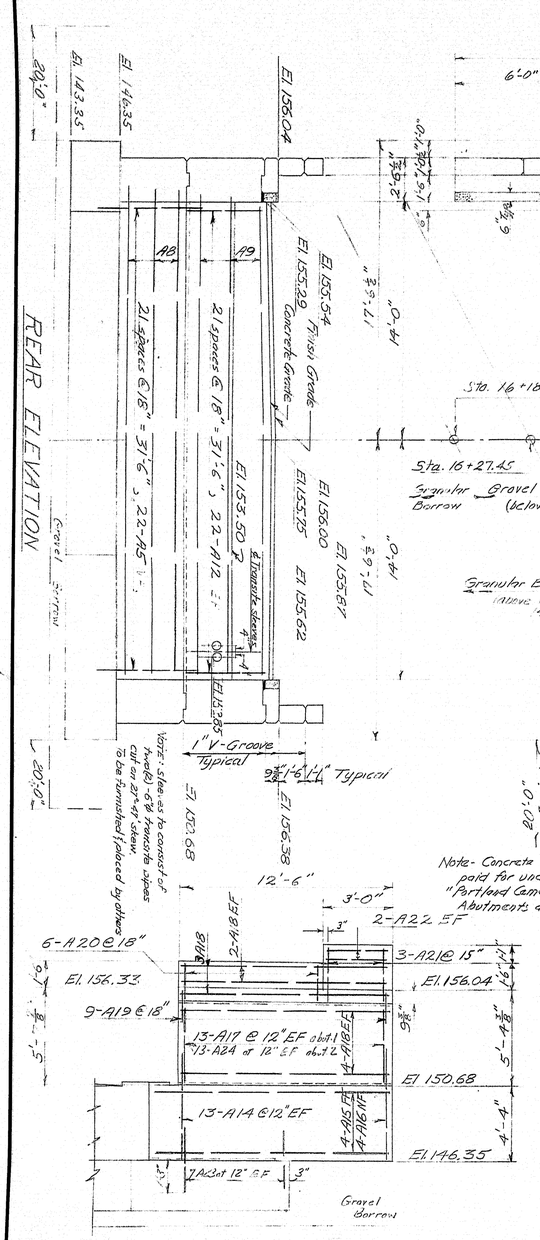
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
CROSS SECTIONS

SHEET 7 OF 16 AUGUSTA, MAINE [redacted] 1964



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(49)	8	16



GENERAL NOTES:

~~Paint face of backwall, bridge seat and face of breast wall from bridge seat to 1'-0" below top of slope Pawing with Epoxy Resin Surface Sealant~~

All Reinforcing Steel shall be 2" cover unless otherwise shown.

Maximum Footing pressure 2.3 tons / sq. ft.

DESIGN– Wilbur Det-Lawes
TRACE– G.W.G.
CHECK– G.W.G.

BRIDGE NO.
SURVEY–
PLOT–

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

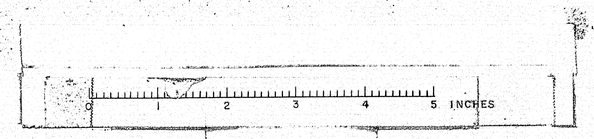
ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY

ABUTMENT 1

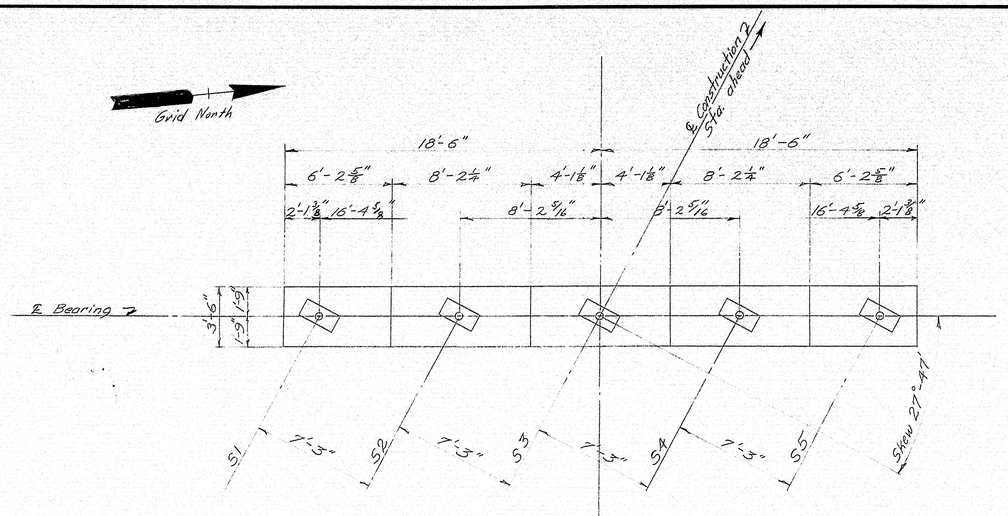
SHEET 8 OF 16 AUGUSTA, MAINE FEB. 1964

92-76

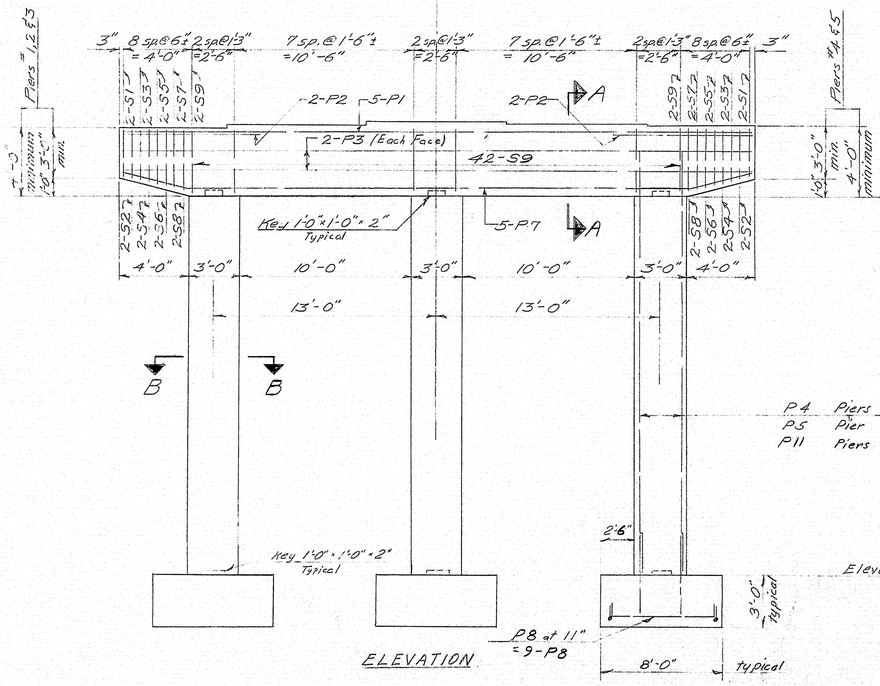
C. B. CO., NO. 44-131 28788



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-B(49)	9	16



PLAN



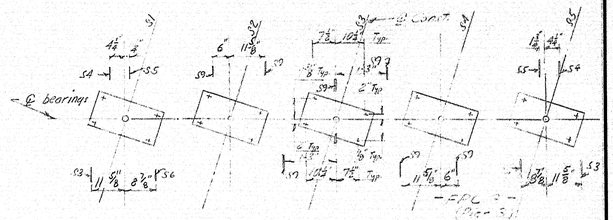
ELEVATION

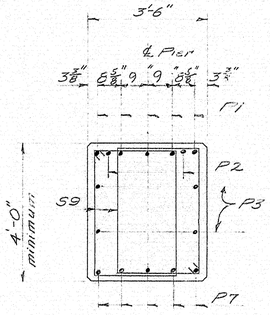
P4 Piers 1,5
P5 Pier 3
P11 Piers 2,4

END VIEW

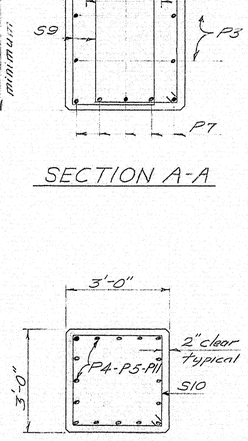
BEARING ELEVATION					
BEAM	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5
S1	151.57	152.72	153.71	153.33	152.79
S2	151.79	152.91	153.87	153.47	152.90
S3	152.00	153.10	154.03	153.61	153.01
S4	151.92	152.99	153.89	153.44	152.82
S5	151.83	152.88	153.75	153.27	152.62

	ELEVATION "A"	ELEVATION "B"	COLUMN HEIGHT	NUMBER #10 BARS PER COLUMN
PIER 1	127.25	147.57	20.32	21
PIER 2	127.75	148.72	20.97	22
PIER 3	138.50	149.71	11.21	12
PIER 4	128.00	149.27	21.27	22
PIER 5	128.25	148.62	20.37	21

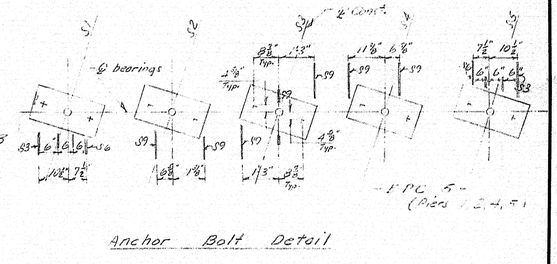




SECTION A-A



SECTION B-B
Typical for all Columns



Anchor Bolt Detail

NOTES :

Dress bearing areas 1" larger all around than masonry plates to exact locations shown. Reinforcing steel to have 2" minimum cover unless otherwise shown.

Anchor bolts to clear reinforcing steel.

Footing Pressure 3.0 tons/sf Group I
5.0 " " " II
4.5 " " " III

Payment for any necessary unwatering at pier forms shall be incidental to item 204-14, Structural Earth Excavation, Piers.

DESIGN– Holleran DEF-Lauzé
TRACE– Lauzé
CHECK– AHH
BRIDGE NO.
SURVEY–
PLOT–

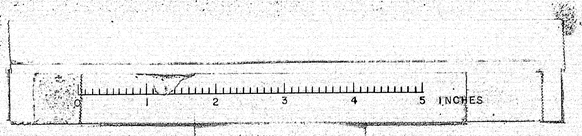
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
PIERS

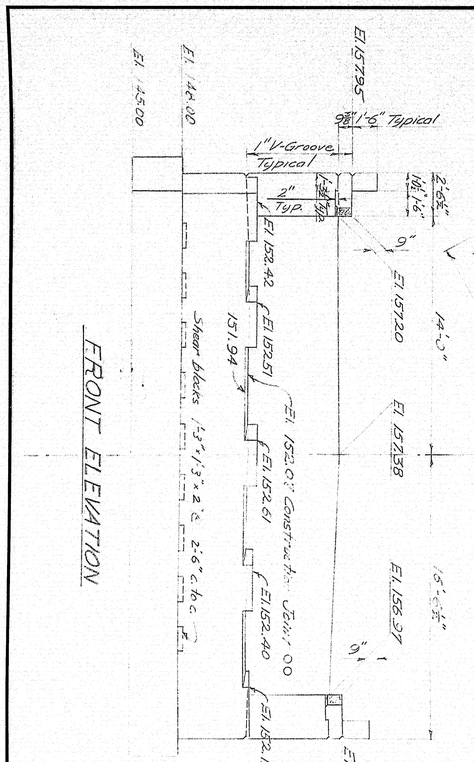
SHEET 9 OF 16 AUGUSTA, MAINE FEB. 1964

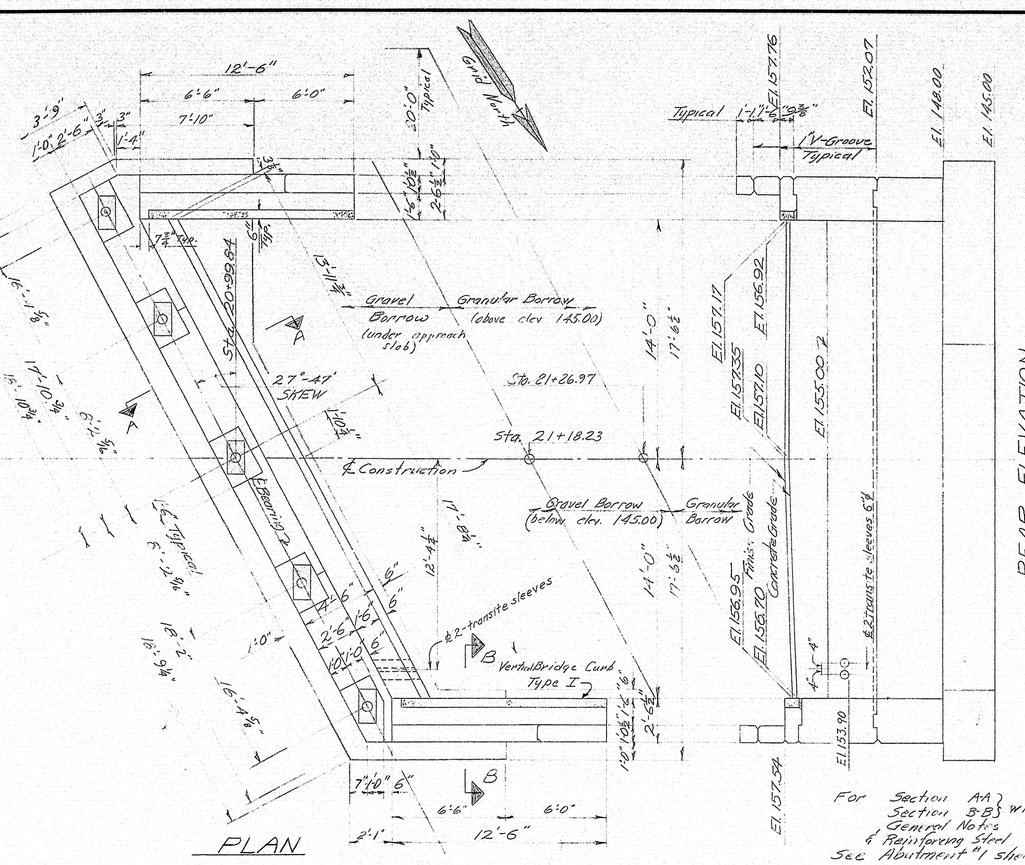
92-76

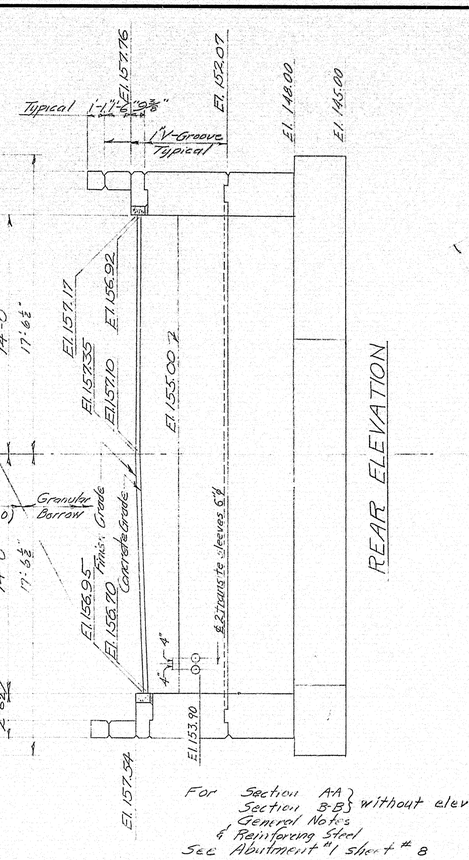
C. D. CO., NO. 44-131 28758



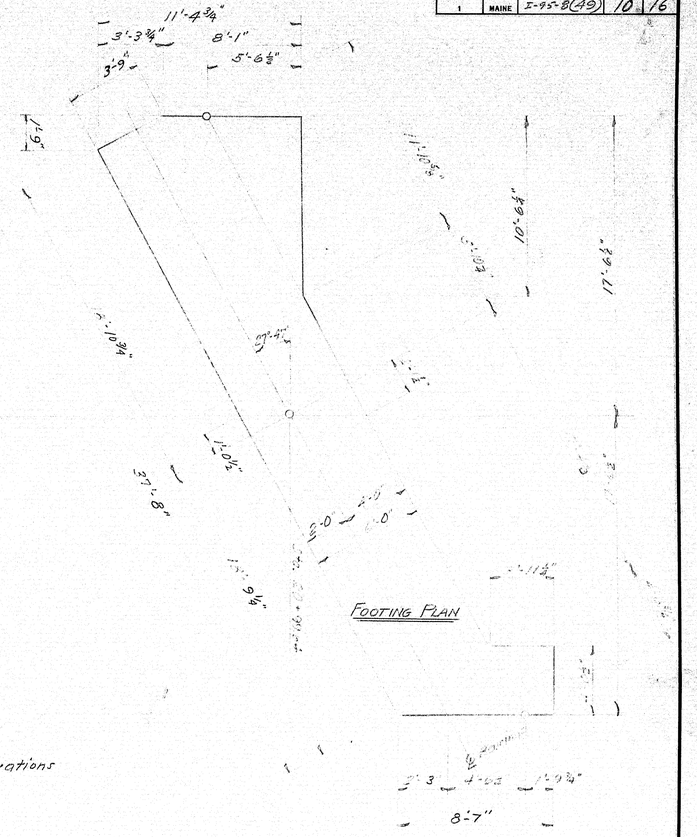
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(49)	10	16

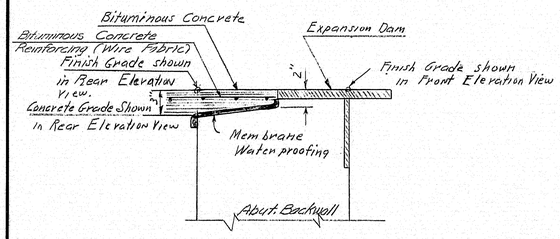






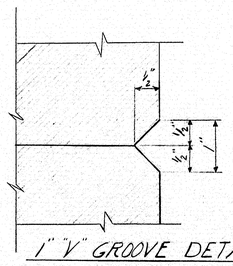
For Section A-A } without elevations
Section B-B }
General Notes
& Reinforcing Steel
See Abutment #1 sheet # 8



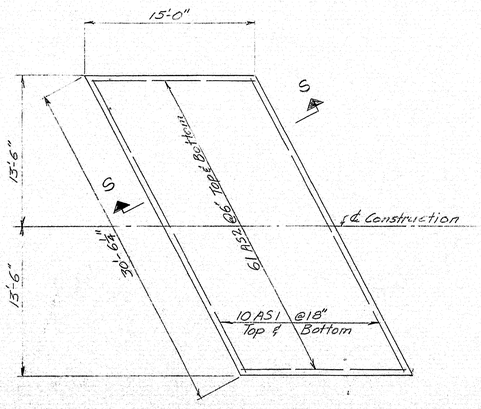


DETAIL A

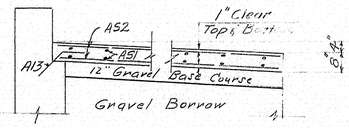
Overlap membrane waterproofing a minimum of 1" at expansion dam and back of backwall.



1" "V" GROOVE DETAIL

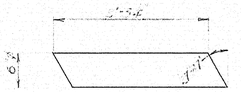


PLAN



SECTION S-S

Approach Slab Concrete will be paid for under Item 701-33, "Portland Cement Concrete Abutments and Retaining Walls".



NOTE: Should length of transite sleeves be insufficient to reach finish grade shown in front elevation, sleeves to be extended by others.

SLEEVE DETAIL

Note: Gravel Borrow under abutment 2 is paid for per abutment 1.

APPROACH SLAB DETAILS

Abutment #2 shown - Abutment #1 rotate 180°

DESIGN–	W. Howe Dec. Lawyer
TRACE–	Lyford
CHECK–	J.J. Becker

BRIDGE NO.
SURVEY–
PLOT–

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

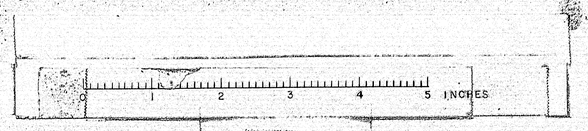
ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY

ABUTMENT 2 & APPROACH SLABS

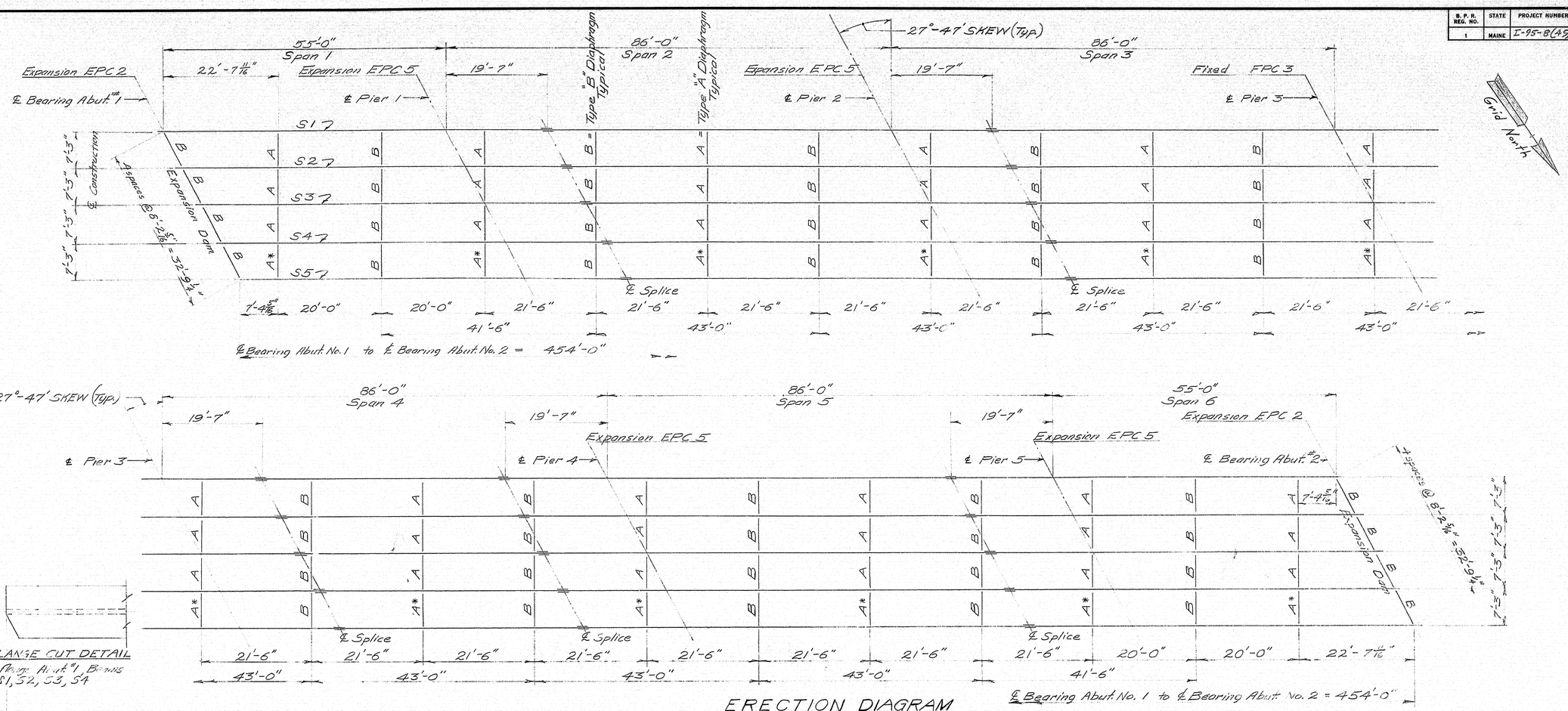
SHEET 10 OF 16 AUGUSTA, MAINE FEB. 1964

92-77

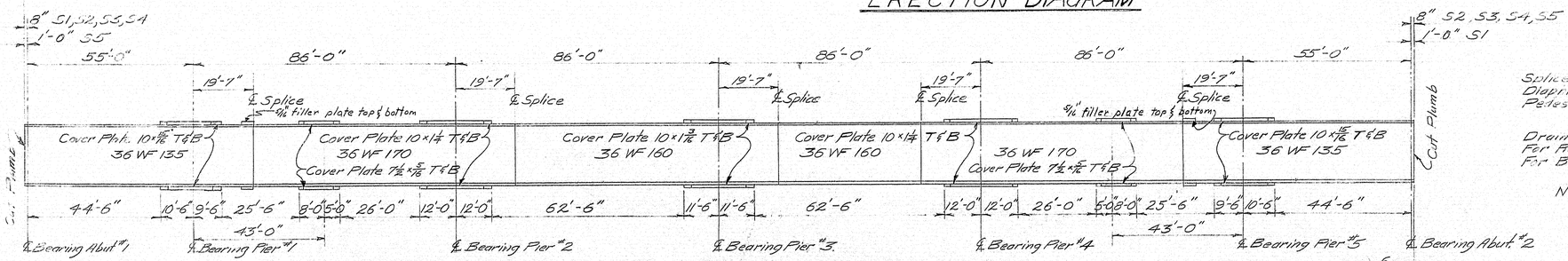
C. B. CO., NO. 44-131 28728



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(42)	11	16



ERECTION DIAGRAM



TYPICAL STRINGER ELEVATION

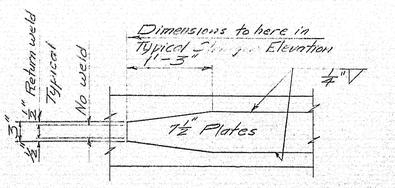
All dimensions are horizontal

REFERENCE

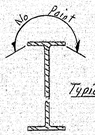
Splice : See Standard Detail BD 103-64
Diaphragms : See Standard Detail BD 302-64
Pedestals : See Standard Details BD 01-64

Drains - 36 Required - See sheet # 15
For Roadway & Curb Elevations Details see sheet # 13
For Beam Grades see sheet # 12

NOTES: Set diaphragms plumb.
Tops of diaphragms marked "A" to be 3/4" below top of stringer at splice as per Type "B" diaphragms.



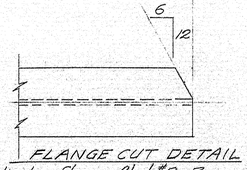
COVER PLATE DETAILS



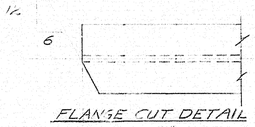
Typical Section

PEDESTALS

10 - EPC 2 Required
20 - EPC 5 Required
5 - FPC 3 Required



FLANGE CUT DETAIL
Clip top Flange Abut. #2, Beams S2, S3, S4, S5



FLANGE CUT DETAIL
Clip top Flange Abut. #1, Beams S1, S2, S3, S4

DESIGN – Mylleme, DET. – Lauze
TRACE – Lauze
CHECK – AHF
BRIDGE NO.
SURVEY –
PLOT –

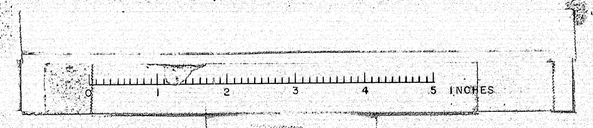
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
STRUCTURAL STEEL

SHEET 11 OF 16 AUGUSTA, MAINE FEB. 1964

92-78

C. S. CO., NO. 44-131 28725



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-B(49)	12	16

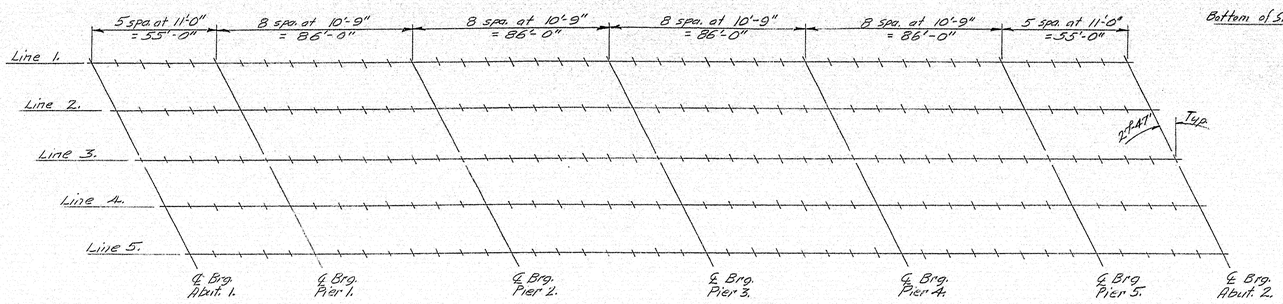
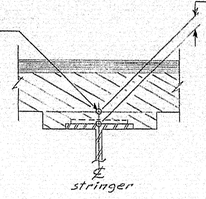


Diagram of Blocking Points



Blocking Detail

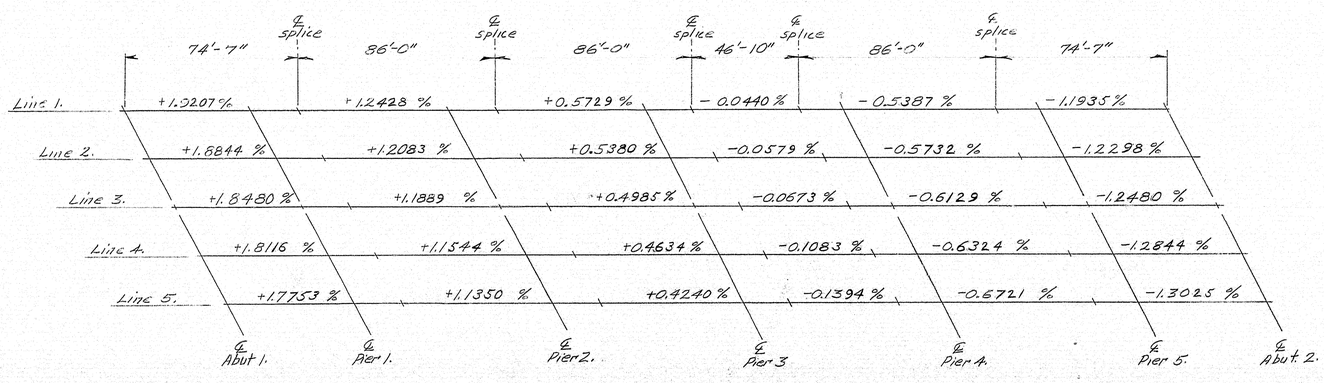
Blocking 1" at abutments
1½" at splices
1¾" at piers
3" ± maximum
(Do not use for setting forms)

Note: To compensate for dead load deflections as well as possible irregularities in bearings, set the bottom of slab elevations at points indicated before any slab formwork is started.

— Bottom of Slab Elevations at Blocking Points —

	℄ Brg. Abut. 1.	Span 1. +11.	+22.	+33.	+44.	℄ Brg. Pier 1.	Span 2. +10.75	+21.50	+32.25	+43.00	+53.75	+64.50	+75.25	℄ Brg. Pier 2.	Span 3. +10.75	+21.50	+32.25	+43.00	+53.75	+64.50	+75.25	℄ Brg. Pier 3.	Span 4. +10.75	+21.50	+32.25	+43.00	+53.75	+64.50	+75.25	℄ Brg. Pier 4.
Line 1.	154.83	155.08	155.32	155.54	155.74	155.94	156.15	156.35	156.54	156.70	156.84	156.96	157.06	157.17	157.29	157.41	157.52	157.61	157.67	157.73	157.75	157.79	157.83	157.87	157.90	157.91	157.90	157.87	157.82	157.76
Line 2.	155.06	155.32	155.55	155.76	155.96	156.16	156.36	156.56	156.75	156.91	157.04	157.16	157.26	157.36	157.48	157.59	157.70	157.78	157.85	157.89	157.92	157.95	157.99	158.03	158.06	158.06	158.04	158.01	157.96	157.92
Line 3.	155.30	155.55	155.78	155.99	156.18	156.38	156.58	156.77	156.96	157.11	157.24	157.35	157.45	157.55	157.66	157.77	157.88	157.96	158.02	158.06	158.09	158.11	158.15	158.18	158.21	158.21	158.19	158.15	158.10	158.06
Line 4.	155.23	155.48	155.70	155.91	156.10	156.29	156.49	156.68	156.86	157.01	157.14	157.25	157.34	157.44	157.55	157.65	157.75	157.83	157.89	157.92	157.95	157.97	158.00	158.04	158.06	158.06	158.03	157.99	157.94	157.89
Line 5.	155.16	155.40	155.63	155.83	156.02	156.20	156.40	156.59	156.76	156.91	157.04	157.14	157.23	157.33	157.43	157.53	157.63	157.71	157.76	157.79	157.81	157.83	157.86	157.89	157.91	157.90	157.87	157.83	157.77	157.72

	℄ Brg. Pier 4.	Span 5. +10.75	+21.50	+32.25	+43.00	+53.75	+64.50	+75.25	℄ Brg. Pier 5.	Span 6. +11.	+22.	+33.	+44.	℄ Brg. Abut. 2.
Line 1.	157.78	157.75	157.72	157.68	157.62	157.53	157.42	157.29	157.16	157.04	156.92	156.78	156.62	156.44
Line 2.	157.92	157.89	157.85	157.81	157.74	157.65	157.54	157.41	157.27	157.15	157.02	156.88	156.72	156.54
Line 3.	158.06	158.02	157.98	157.93	157.87	157.78	157.65	157.52	157.38	157.25	157.12	156.98	156.81	156.63
Line 4.	157.89	157.85	157.81	157.76	157.68	157.59	157.46	157.33	157.19	157.05	156.92	156.77	156.60	156.42
Line 5.	157.72	157.67	157.63	157.58	157.50	157.40	157.27	157.13	156.99	156.85	156.71	156.56	156.39	156.21



Beam Grades

DESIGN- Mallions DET- Louze	BRIDGE NO.
TRACE- Louze	SURVEY-
CHECK- AHH	PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

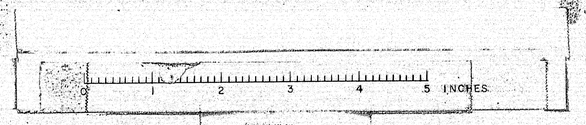
ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY

BLOCKING, BEAM GRADES

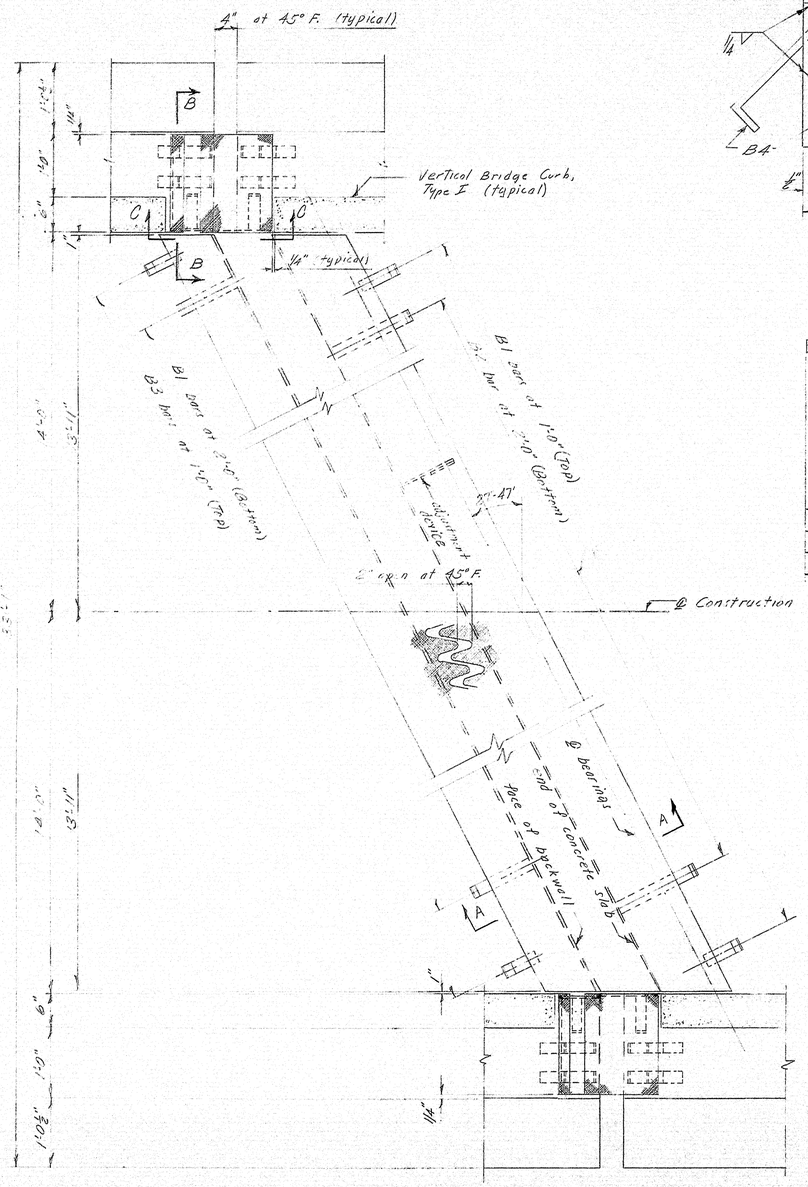
SHEET 12 OF 16 AUGUSTA, MAINE FEB. 1964

92-79

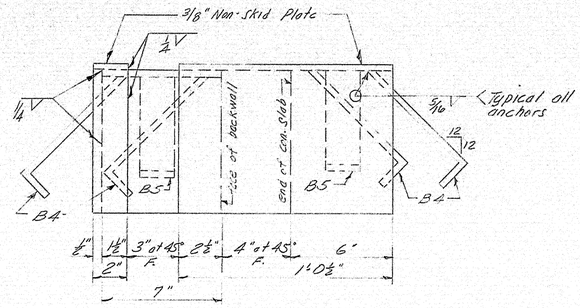
C. S. CO., NO. 44-131 28720



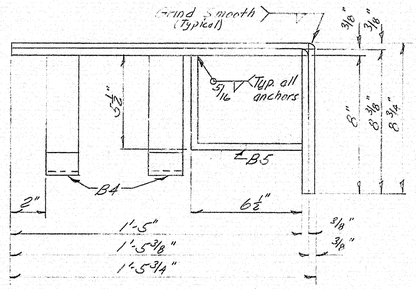
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-3(47)	13	16



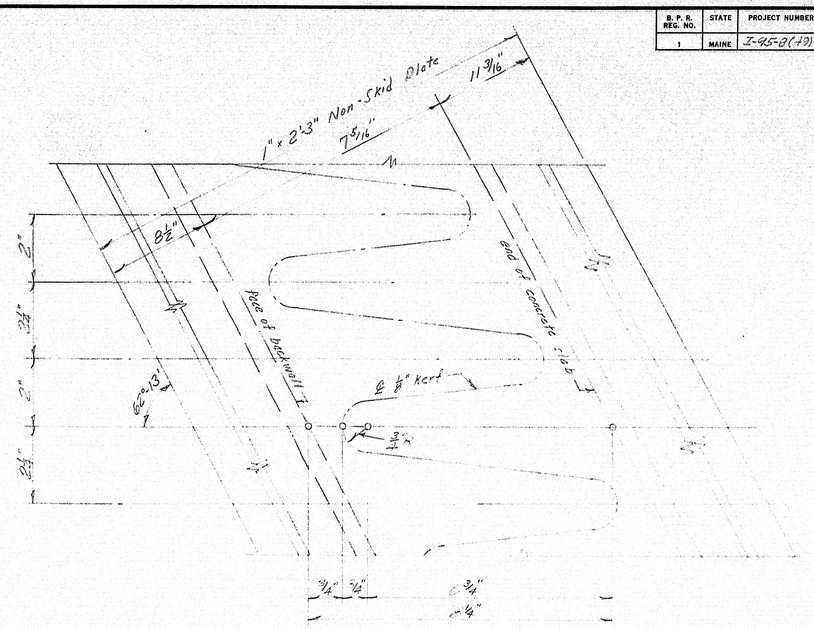
EXPANSION DAM PLAN - ABUTMENT NO. 1.
Rotate 180° for Abutment No. 2.



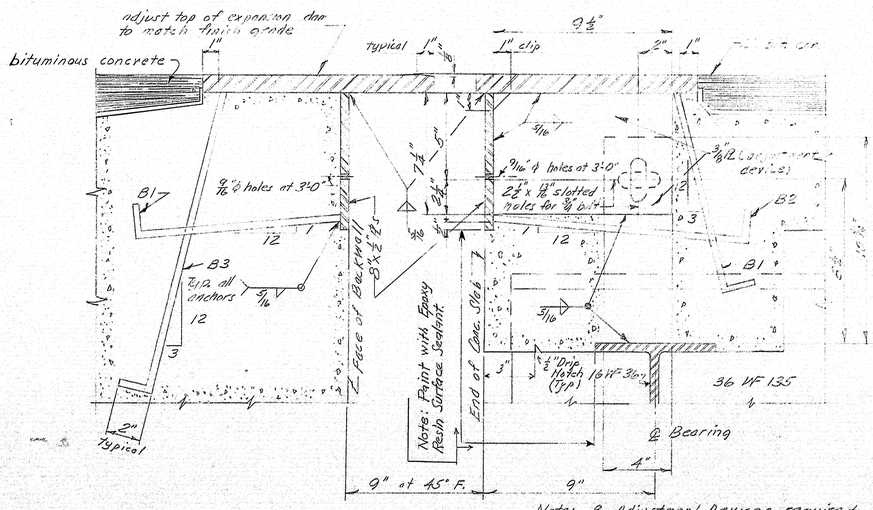
SECTION C-C



SECTION B-B



TOOTH DETAIL



SECTION A-A

Note: 8 Adjustment Devices required each dam. Two on each 16 WF at abutment.

Bar No.	Size - Type
B1	2½" x ⅜" x - -
B2	2½" x ⅜" x - -
B3	2½" x ⅜" x - -
B4	- - x ⅜" x - -
B5	2½" x ⅜" x - -

DESIGN— Molicone
TRACE— "
CHECK— AHK
PLOT—

BRIDGE NO.
SURVEY—

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
EXPANSION DAMS

SHEET 13 OF 16 AUGUSTA, MAINE FEB. 1964

C. B. CO., NO. 44-131 59725

92-60

0 1 2 3 4 5 INCHES

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-95-8(49)	14	16

456'-9" Out to out Superstructure

58 spaces @ 7'-10¼" = 455'-6½" Roll Post spacing

55'-0" c-c W.P. to W.P. | 4 spaces @ 86'-0" c-c W.P. to W.P.

43'-9" Ⓐ | 41'-6" Ⓑ | 43'-0" Ⓒ'

14'-7" | 14'-7" | 14'-7" | 12'-4" | 14'-7" | 14'-7" | 14'-4" | 14'-4" | 14'-4"

℄ Pier (Typ.)

w.p. denotes "Working Point"

(11-C1) (11-C2) @ 1'-4½"

6-F23 | 4-F24 | 4-F25 | 4-F26 | 4-F27 | 4-F28 | 4-F21 | 4-F30 | 4-F29 | 4-F31 | 4-F32 | 4-F33 | 4-F34 | 4-F35 | 4-F36 | 4-F37 | 2-F38

w.p. | 6½" | 10¼"

27° 47' Skew

30 spcs. @ 5½" = 13'-9"

30 spcs. @ 11" = 27'-6" (31-F1)

30 spcs. @ 11" = 27'-6" (62-F2)

4-F5 | 6-F6 | 4-F7 | 4-F8 | 5-F9 | 4-F10 | 5-F11 | 4-F12 | 5-F13 | 4-F14 | 4-F15 | 6-F16 | 4-F17 | 4-F18

3½" | 2½"

See "Expansion Dam Detail" Sh. No. 13, Section "A-A"

Face of backwall ℄ bearing - Abutment

67-F19 | 67-F3 | 67-F3 | 67-F20

67-F3 (spliced to F4 thru F18) See location of Distribution Steel in "Section".

8½" | 3" | 7" | 1½"

2" | 7½" | 6" | 2½" | 1½" | 7"

46 spcs @ 11" = 42'-2" (47-F1)

46 spcs. @ 11" = 42'-2" (94-F2)

NOTE: F1 alternates with 2-F2 @ 5½" (Typ.) all slab panels.

℄ Construction

9'-0"	14'-0"	F21	Pier #1
14'-0"	14'-0	F22	Pier #2, #3, #4
14'-0"	9'-0" (Span 6)	F21	Pier #5

45 spcs @ 11" = 41'-3" (92-F2)

44 spcs. @ 11 = 40'-4" (45-F1)

W.P

Vertical Bridge Curb Type I

4" | 14'-6" | 14'-6" | 13'-10" | 13'-10" | 13'-10" | 14'-4" | 14'-4" | 14'-4"

Ⓐ 29'-0" | Ⓑ 41'-6" | Ⓒ' 43'-0"

Contraction Joints

Slab Panels

Working Point to W.P. 1'-4½"

Rail Post spacing 7¼"

55'-0" c-c

4 spaces @ 86'-0" c-c W.P. to W.P.

58 spaces @ 7'-10¼" = 455'-6½"

456'-9" Out to out Superstructure

7 - Panels Ⓒ @ 43'-0" = 301'-0"

SUPERSTRUCTURE

NOTE: For Superstructure Notes and Details, work this sheet with sheet #15, "Superstructure Details."

16'-6½" | 14'-0" | 16'-6½"

2'-6½" | 1'-0½" | 1'-6"

1" V. Grooves

1'-6" | 9⅜" | 9½" | 2¼" | 1"

C2 | C1 | 6" bars

5" | 9" | 1½" clear | 1" clear

Vertical Bridge Curb, Type I

Not part of this Contract { 2" Bituminous Concrete Surface Course, Type "A" / Membrane Waterproofing (allow ¼" thickness) / 7" Portland Cement Concrete Slab / 3½" Straight Crown

Symmetrical about ℄ Construction except as shown

F2 | F1 | F21, F22 as shown @ ℄ Piers | F3 thru F20 (Distribution)

3" | Level | 2'-0½" | 4" Typ. | 1'-4"

½" drip notch

7'-3" | 7'-3"

SECTION A-A

Bridge Rail

Inserts

1'-8"

10¼"

NOTE: Inserts to be furnished & placed by others. Hangers shall not infringe upon underclearance of structure.

DESIGN- Mc Wayne Det. Engr.	BRIDGE NO.
TRACE- G.M.C.	SURVEY-
CHECK- Cotton	PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
SUPERSTRUCTURE SLAB

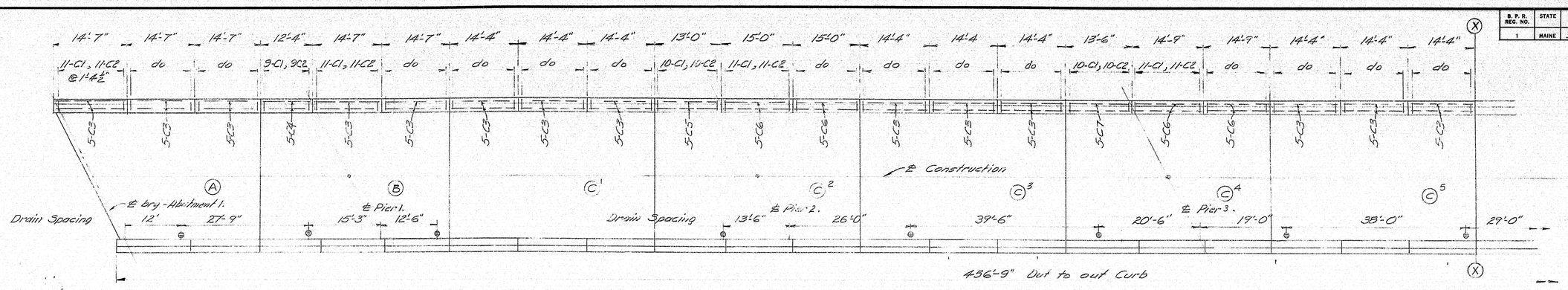
SHEET 14 OF 16 AUGUSTA, MAINE FEB., 1964

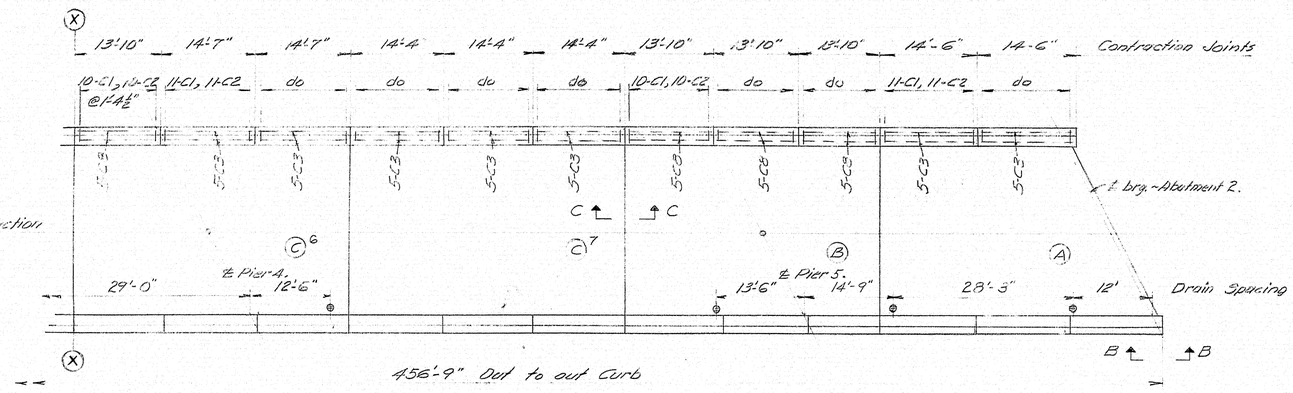
92-81

C. B. CO., NO. 44-302 28514

0 1 2 3 4 5 INCHES

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-95-8(14)	15	16

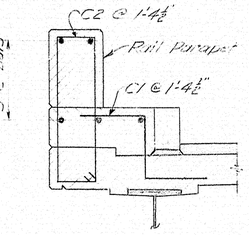




NOTE: Sequence of Concrete Placing: Panels (A) (C1) (C3) (C5) (C7)
then Panels (C) (C2) (C4) (C6)
then Panels (B)

SUPERSTRUCTURE NOTES

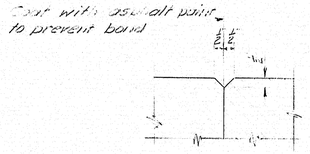
1. At joints in curbs, vertical bridge curbs, type I, and rail parapets at ℄ of Piers, use ½" preformed expansion joint filler. At all other curb and parapet joints, break bond with a suitable grade of asphalt paint. Provide joint in granite bridge curb at all construction joints. Form "V" groove on top, inside and outside face of rail parapet and outside face of curb and side of each vertical joint.
2. At low points in slab, place a 1" ϕ plastic tube through slab for drainage. Exact location to be determined in the field. Do not cover tube with waterproofing. This work is incidental to the contract items. Place plastic tube so that drip clears bridge seat concrete.
3. See Standard Details - BD 102-64, Bridge Rail.
4. See Standard Details BD 104-64, Drains. 2 - Drains Required.



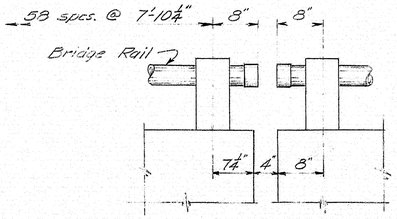
CURB SECTION
Typical

RAIL PARAPET — CURB LAYOUT — DRAINS

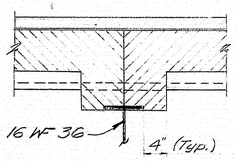
Details similar each side. Rotate 180° about ℄ Construction.



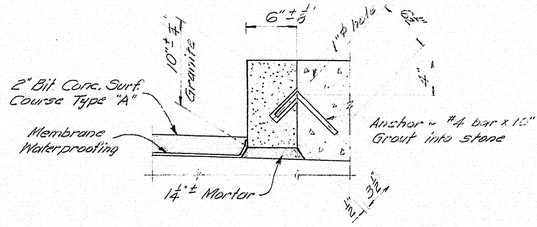
1" V-GROOVES



VIEW B-B
Typical



SECTION C-C
Typical



VERTICAL BRIDGE CURB, TYPE I
Typical Section

Work this sheet with sheet # ...

DESIGN- Maltbaek Oct. 9 '63	BRIDGE NO.
TRACE- G.M.C.	SURVEY-
CHECK- Jay Kim	PLOT-

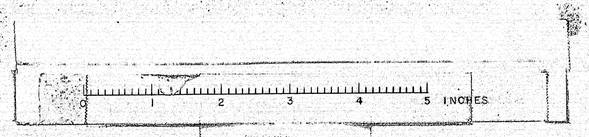
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
SUPERSTRUCTURE DETAILS

SHEET 15 OF 16 AUGUSTA, MAINE FEB., 1964

92-82

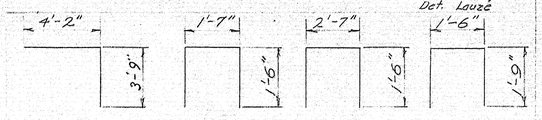
C. B. CO., NO. 44-131 26726



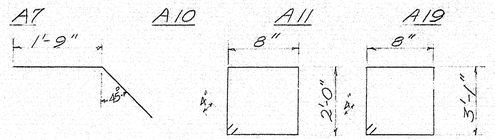
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(A9)	16	16

~ ABUTMENTS ~

v - J. S. Foster
Det. Lauzé



A7 A10 A11 A19



A13 A20 A21

BENT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
A7	5	50	7'-11"	Breastwalls
A10	4	20	4'-7"	↓
A11	4	20	5'-7"	Breastwalls
A13	6	42	3'-6"	Backwalls
A19	4	36	5'-0"	Wings
A20	4	24	6'-0"	Wings
A21	4	12	8'-2"	Wings

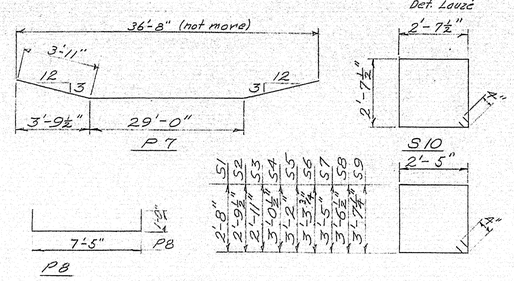
STRAIGHT BARS

A1	[illegible]	28	30'-3"	Footings
A2	6	94	5'-6"	↓
A3	6	14	8'-6"	↑
A4	6	4	11'-0"	Footings
A5	5	44	[illegible]'-3"	Footings
A6	5	50	2'-6"	Footings, Breastwalls
A8	5	16	35'-9"	Breastwalls
A10	4	12	31'-3"	Backwalls
A12	5	68	4'-6"	Backwalls
A14	5	104	5'-6"	Wings
A15	5	16	13'-6"	↓
A16	4	16	15'6"	↑
A17	5	26	47'-0"	Wings
A18	4	60	12'-0"	Wings
A22	4	16	2'-6"	Eng. Posts
A23	5	56	2'-6"	Footings
A24	5	52	2'-5"	Wings
A25	5	6	1'-2"	↓
A26	5	44	3'-0"	Backwalls

AS1	4	40	30'-0"	Approach Slabs
AS2	6	244	14'-6"	Approach Slabs

~ PIERS ~

√ AHR
Det. Lauzé



BENT BARS

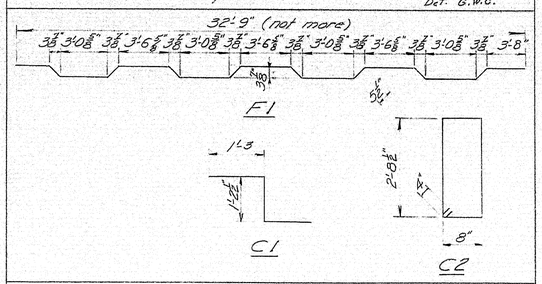
MARK	SIZE	NO.	LENGTH	LOCATION
P7	11	25	36'-10"	Pier Caps
P8	8	270	9'-5"	Footings
S1	5	20	10'-10"	Pier Caps
S2	↓	20	11'-1"	↓
S3		20	11'-4"	
S4		20	11'-7"	
S5		20	11'-10"	
S6		20	12'-2"	
S7		20	12'-4"	
S8		20	12'-7"	
S9	5	210	12'-9"	Pier Caps
S10	4	294	11'-2"	Columns

STRAIGHT BARS

P1	11	25	36'-8"	Pier Caps
P2	11	20	8'-0"	Pier Caps
P3	6	20	36'-8"	Pier Caps
P4	18	96	22'-10"	Columns
P5	8	48	13'-8"	Columns
P6	8	240	5'-2"	Footings
P11	8	96	23'-9"	Columns

SUPERSTRUCTURE

V. Coffin
Det. G.W.G.



BENT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
C1	#4	688	3'-9"	Curbs
C2	#4	688	7'-5"	Curbs
F1	#5	481	33'-10"	Superstructure Slabs

STRAIGHT BARS

C3	#4	210	14'-2"	Curbs
C4	↓	10	12'-0"	↑
C5		10	12'-9"	
C6		40	14'-7"	
C7		10	13'-2"	↓
C8	#4	40	13'-7"	Curbs
F2	#5	966	32'-9"	Superstructure Slabs
F3	↑	737	18'-0"	Slabs - Distribution
F4		8	26'-6"	↑
F5		8	26'-0"	
F6		12	25'-0"	
F7		8	24'-0"	
F8		8	22'-9"	
F9		10	21'-6"	
F10		8	20'-6"	
F11		10	19'-3"	
F12		8	18'-0"	
F13		10	17'-0"	
F14		8	15'-9"	
F15		8	14'-6"	
F16		12	13'-6"	
F17		8	12'-3"	
F18		8	11'-9"	↓
F19		134	29'-4"	
F20		469	25'-10"	Slabs - Distribution
F21		44	23'-0"	Slabs - Over piers
F22		66	28'-0"	" " "
F23		12	3'-3"	Superstructure Slabs
F24		8	5'-0"	↑
F25		↑	6'-9"	
F26			8'-6"	
F27			10'-3"	
F28			12'-0"	
F29			13'-9"	
F30			15'-6"	
F31			17'-3"	
F32			19'-0"	
F33			20'-9"	
F34			22'-6"	
F35			24'-3"	
F36			26'-0"	
F37		8	27'-9"	↓
F38	#5	4	29'-6"	Superstructure Slabs

Note: Dimensions to ℄ bars.
Intermediate Grade Reinf. Steel

DESIGN– Det. as noted	BRIDGE NO.
TRACE–	SURVEY–
CHECK– As Noted	PLOT–

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

ROUTE 43 BRIDGE
OVER
INTERSTATE 95
IN THE CITY OF
OLD TOWN
PENOBSCOT COUNTY
REINFORCING STEEL

SHEET 16 OF 16 AUGUSTA, MAINE FEB. 1964

92-83

C. S. CO., NO. 44-131 28739