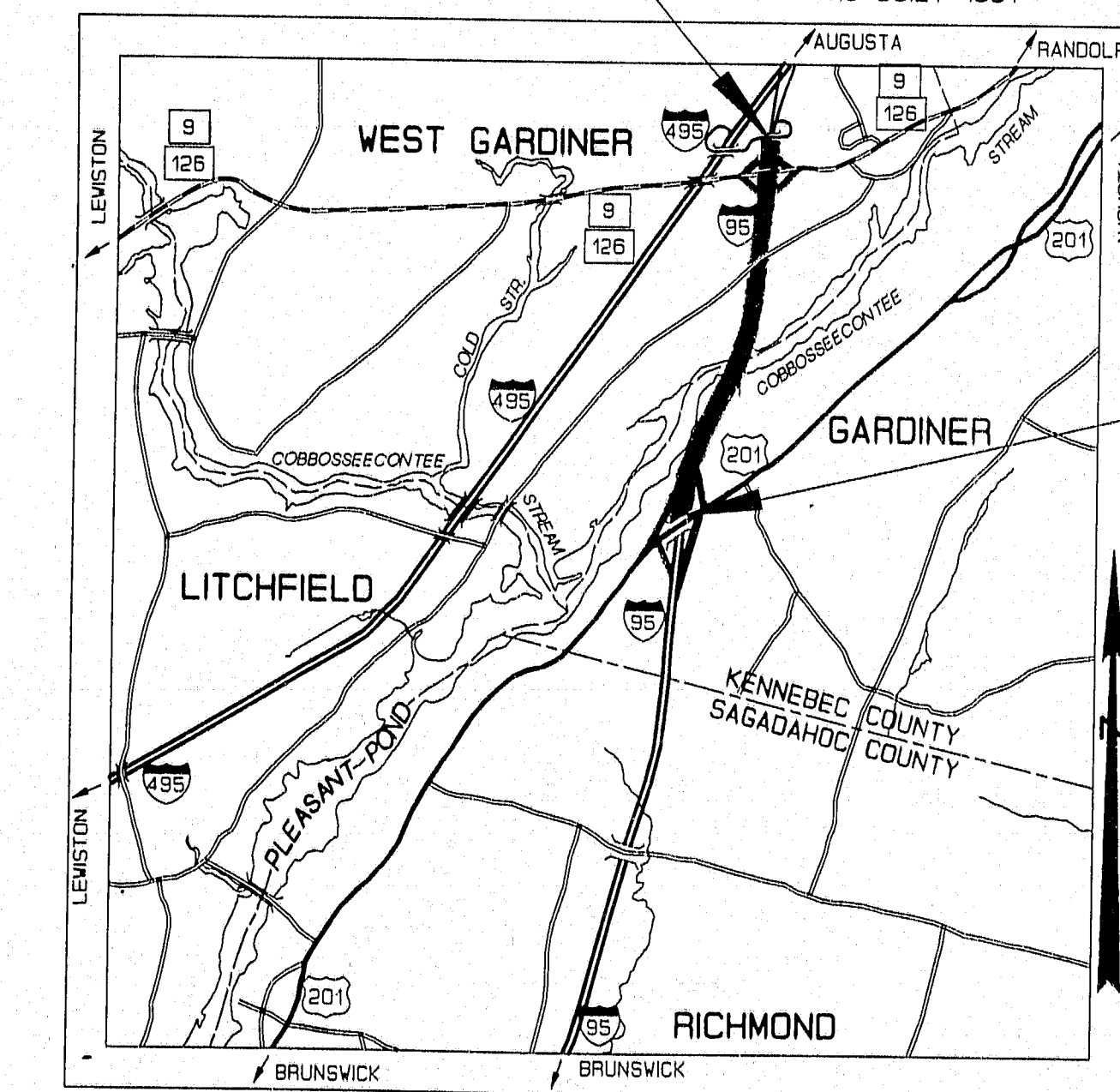
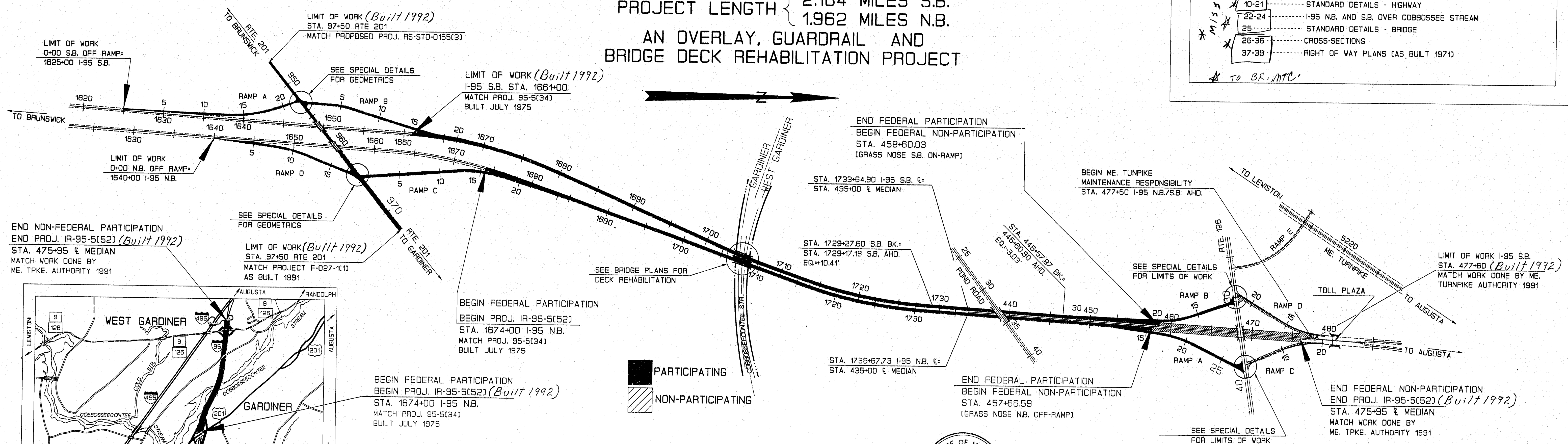
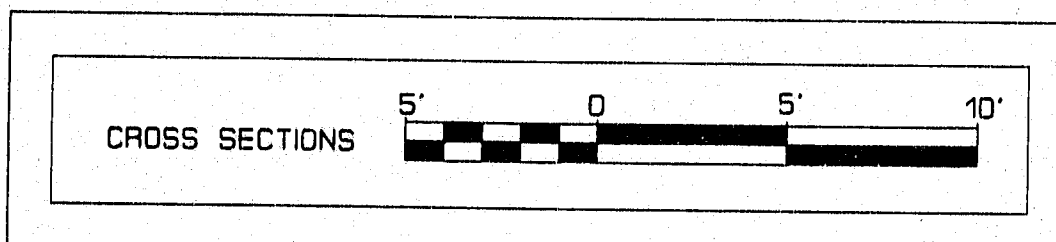


STATE OF MAINE DEPARTMENT OF TRANSPORTATION



PLANS

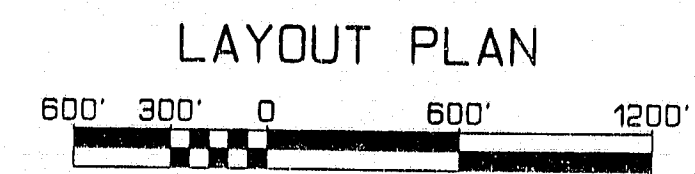
GARDINER-WEST GARDINER KENNEBEC COUNTY MAINE FEDERAL AID INTERSTATE PROJECT NO. IR-IM-95-5(52) (Built 1992) PROJECT LENGTH { 2.184 MILES S.B. 1.962 MILES N.B. AN OVERLAY, GUARDRAIL AND BRIDGE DECK REHABILITATION PROJECT



A PORTION OF KENNEBEC COUNTY

SCALE IN MILES
0 1 2

PREVIOUS PROJECTS		
PROJ. NUMBER	TYPE	AS BUILT
95-5(10)	G.D. 68.	1974
95-5(12)	G.D. 68.	1973
95-5(34)	PAVING	1973-1975
95-5(35)	SIGNING	1974
95-5(48)	ROADSIDE IMPROV.	1979
95-5(44)	INTERCH. NUMBER	1977
95-5(27)	BR. OVER CDBB.	1974

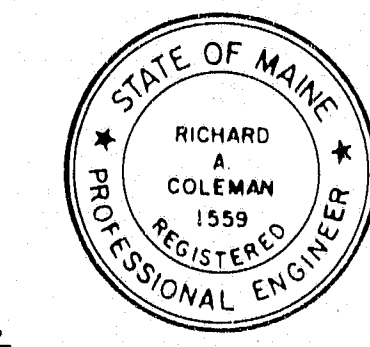


PARTICIPATING
NON-PARTICIPATING

TRAFFIC DATA

	1-95 S.B.	1-95 N.B.
A.A.D.T. 1992	7,470	7,300
A.A.D.T. 2012	12,910	13,440
D.H.V.	1,678	1,708
T.(X.D.H.V.)	6	6
D.(X.D.H.V.)	100	100
V.M.P.H.J AS POSTED	65	65
18 KIPS (2.5)	937	954

NOTE
ALL WORK CONTAINED UNDER THIS CONTRACT TO BE GOVERNED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (REVISION OF OCTOBER 1980) AND SUPPLEMENTALS THERETO AS MODIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS.



APPROVED:
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

COMMISSIONER
CHIEF ENGINEER

DATE
DATE

108-35 42

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1
APPROVED:
DIVISION ADMINISTRATOR
DATE

P.T.N.	F.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
4167.00	1	MAINE	IR-IM-95-5(52)	1	39

GARDINER-WEST GARDINER

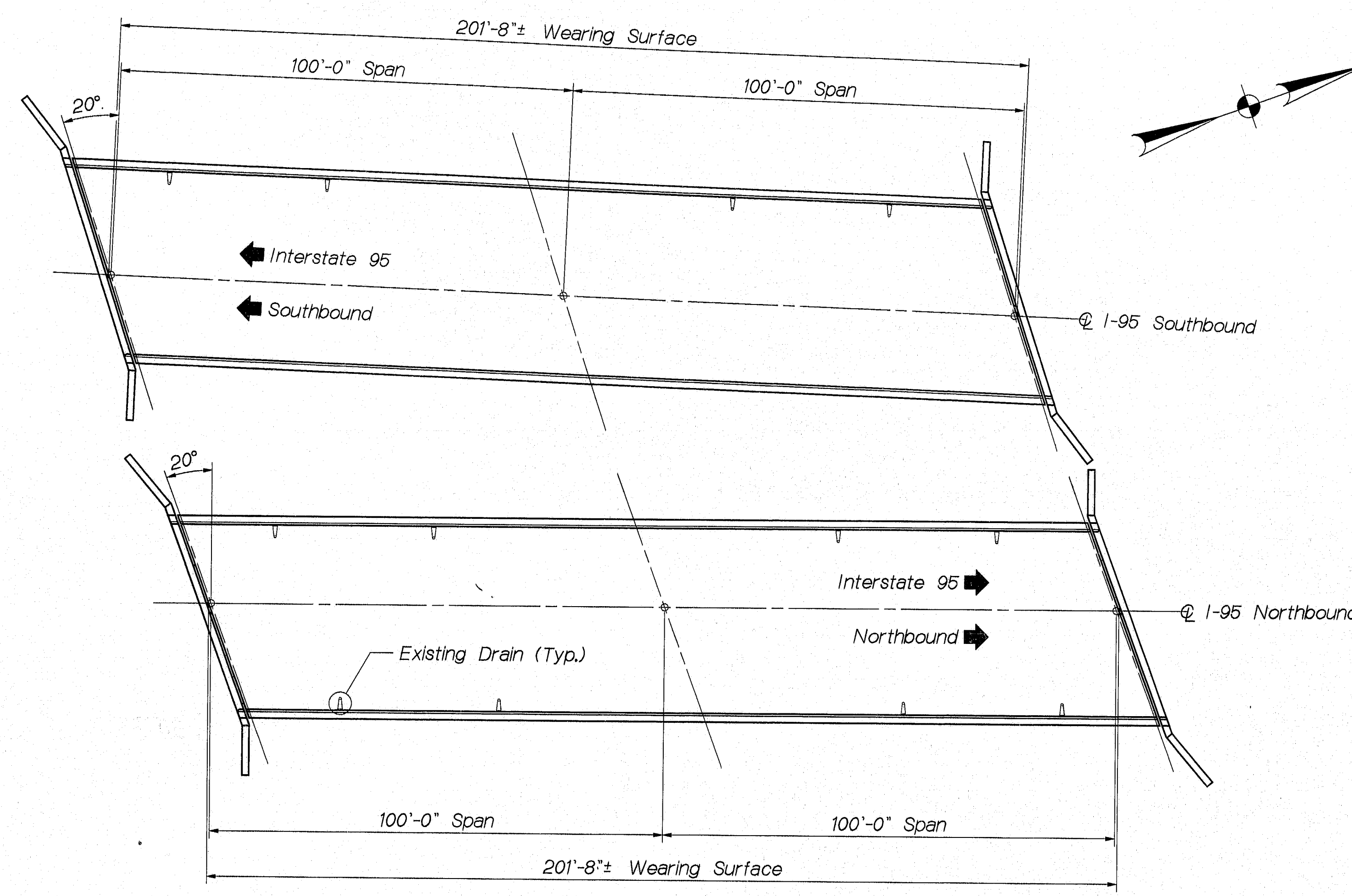
COMPLETE SET
FILMED FOR HIGHWAY REEL 291

SHEET NO. DESCRIPTION

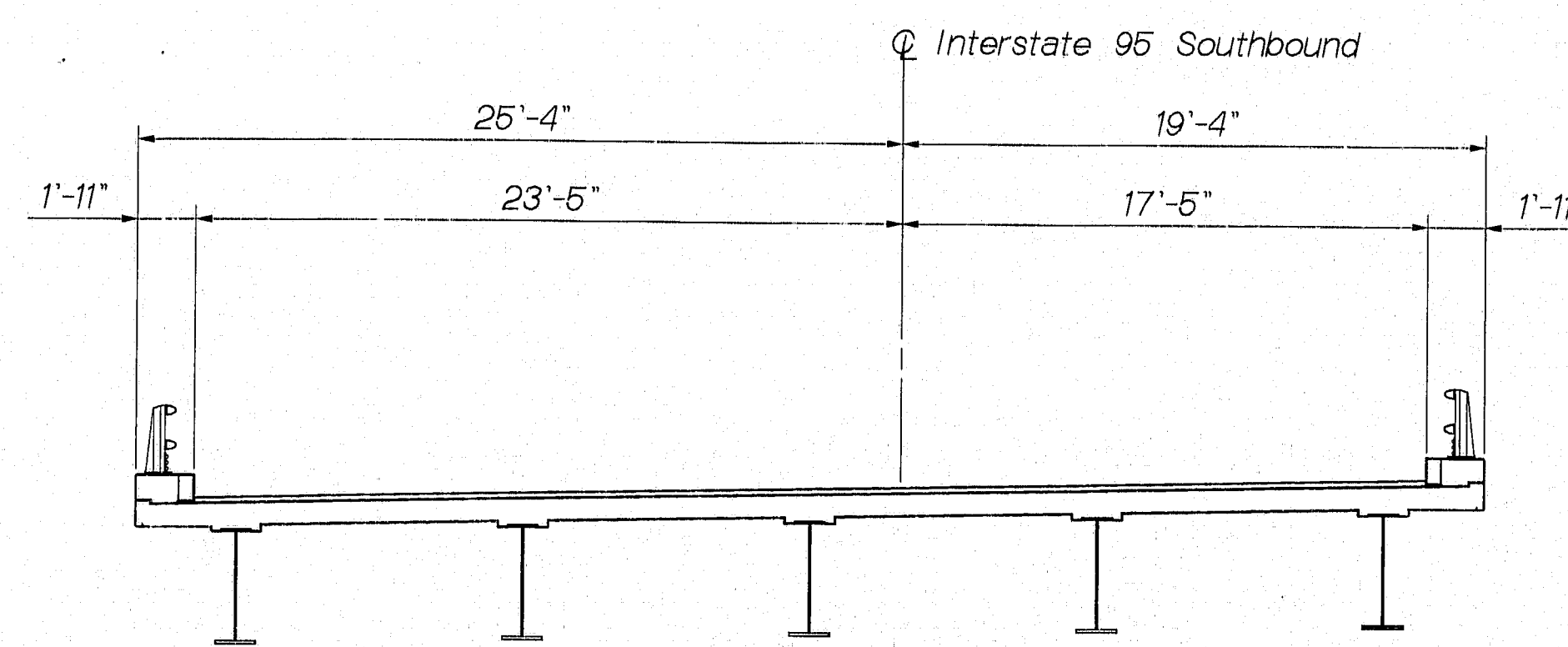
- TITLE SHEET
- TYPICAL SECTIONS - I-95 NORTHBOUND & SOUTHBOUND
- TYPICAL SECTIONS - I-95 RAMP, RUMBLE STRIP DETAIL, & SUMMARY OF EXCAVATION AND BORROW
- TYPICAL SECTIONS - RTE. 201 & PAVT. BUTT JOINTS
- ESTIMATED QUANTITIES AND GENERAL NOTES
- SUPERELEVATIONS, I-95 AND RAMP
- CONSTRUCTION NOTES & MISCELLANEOUS IMPROVEMENTS
- LIMITS OF WORK - RTE. 201 & REMOVING PAVT. SURFACE DETAIL
- LIMITS OF WORK - RTE. 126
- STANDARD DETAILS - HIGHWAY
- I-95 N.B. AND S.B. OVER COBBOSSEEE STREAM
- STANDARD DETAILS - BRIDGE
- CROSS-SECTIONS
- RIGHT OF WAY PLANS (AS BUILT 1971)

* MISSING 20-24
* TO BR. V.M.C.

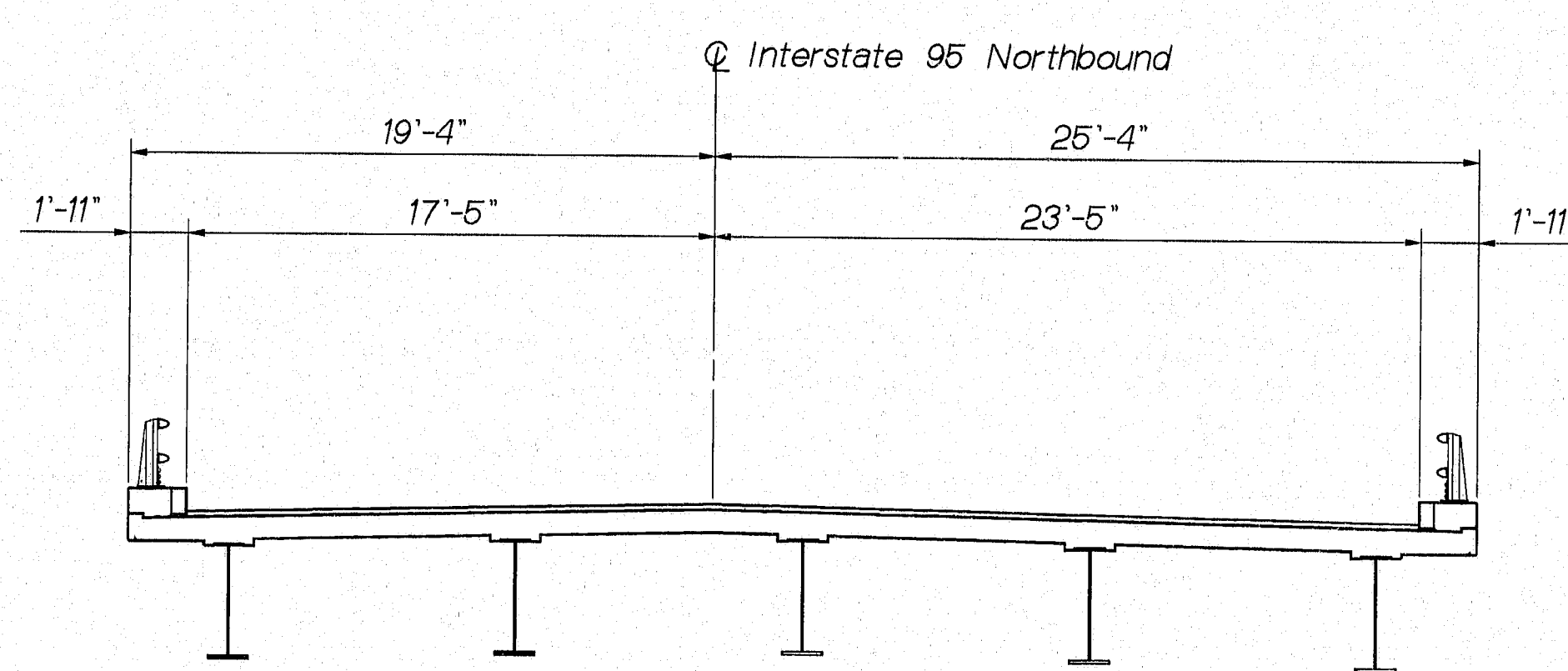
P/N 004167.00				
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	IR-IM-95-5(52)	X	X
			22	39



PLAN



TRANSVERSE SECTION
Southbound



TRANSVERSE SECTION
Northbound

SPECIFICATIONS

DESIGN: AASHTO Standard Specifications for Highway Bridges 1989 and Interim specifications thru 1991.

CONTRACT: State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of October 1990.

DESIGN LOADING

LIVE LOAD (Existing): HS20-44 (Modified)

SCOPE OF WORK

Remove and replace bituminous wearing surface and membrane waterproofing. Repair concrete deck slab as necessary. Construct new concrete end posts and modify guard rail at the leading ends of both bridges. Modify ends of aluminum bridge railings.

MAINTENANCE OF TRAFFIC

Provide one 12-foot travel lane on each bridge at all times.

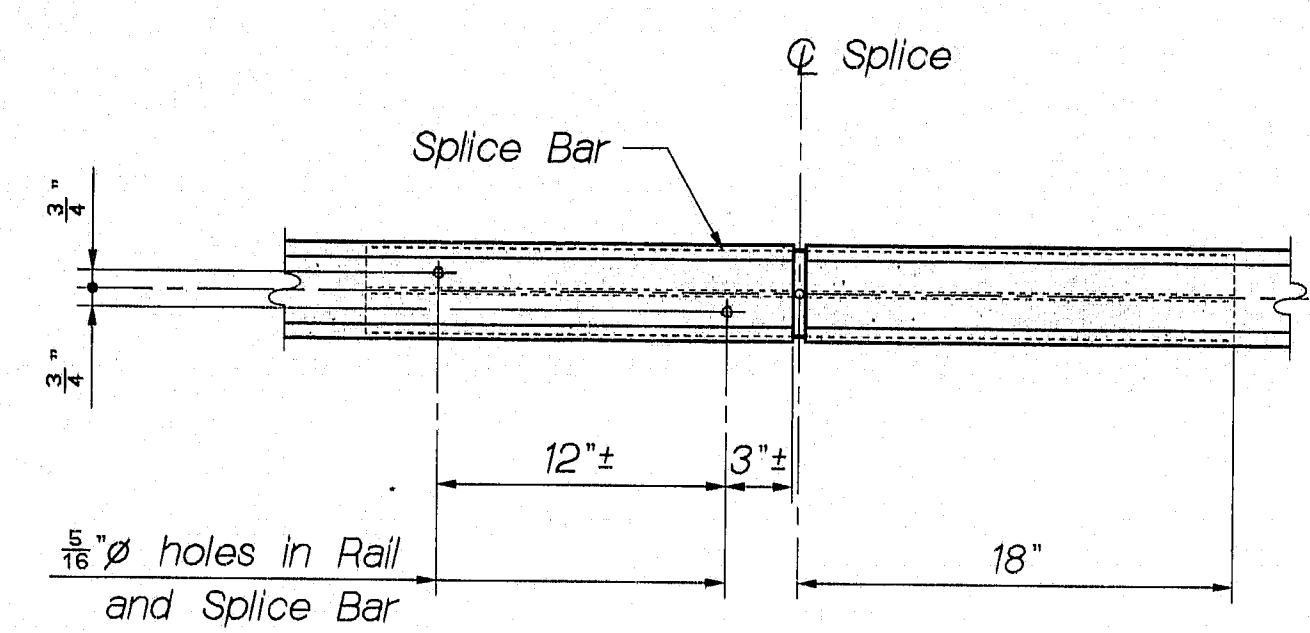
TRAFFIC DATA

	(N. B.)	(S. B.)
AADT 1992	7170	7300
AADT 2012	12,910	13,140
Design Hour Volume	1678	1708
Heavy Trucks (%)	6	6
Directional Dist. (%)	100	100
Posted Speed (mph)	65	65
18 Kip Equiv. P2.5	937	954

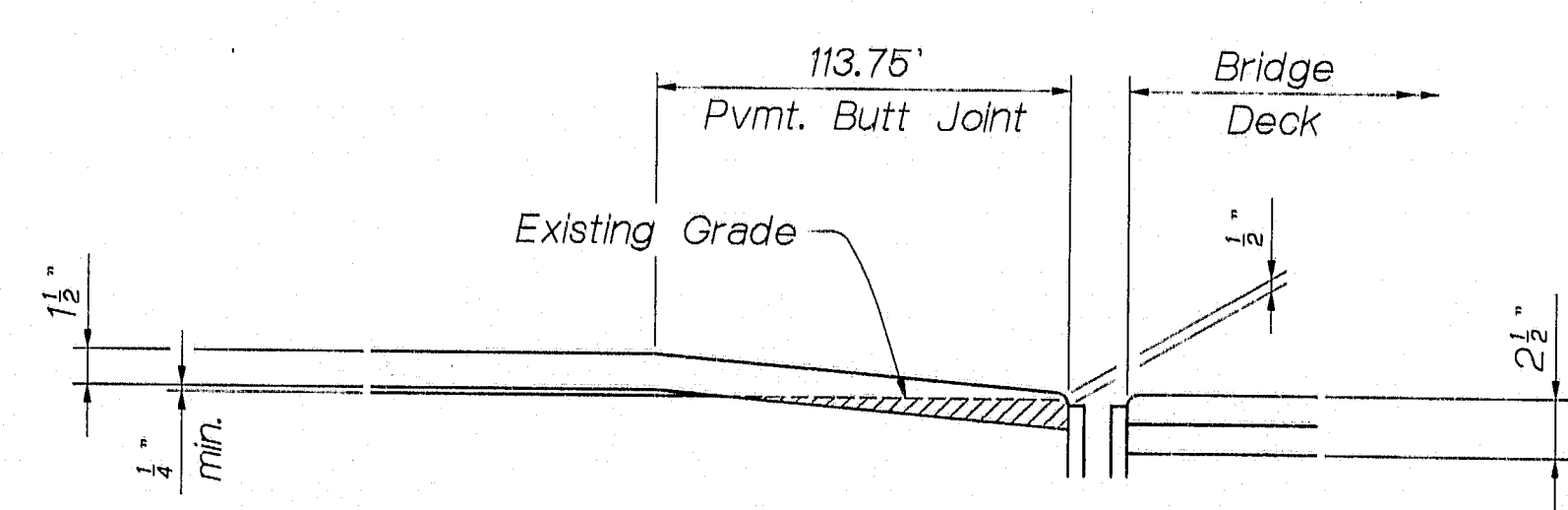
NOTE

A Bridge Deck Evaluation Report of the existing northbound bridge is available for the Contractor's reference at the Bridge Design Office in Augusta. The report contains visual inspection information and deck core data of the bridge. There is no assurance that the information or data is a true representation of the conditions of the entire deck.

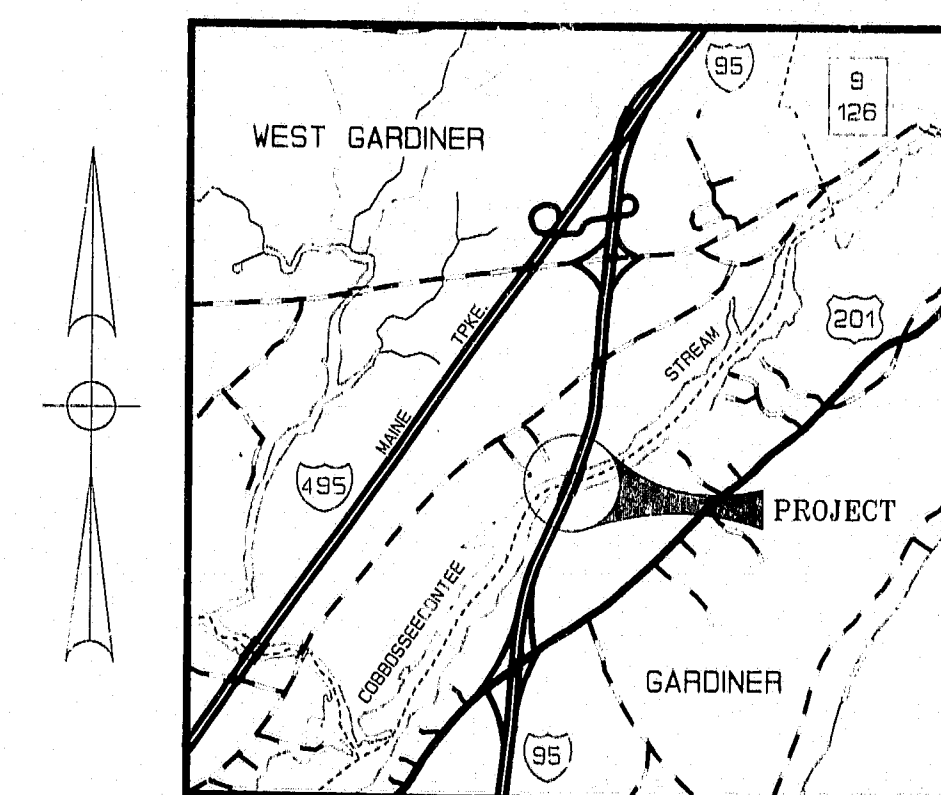
ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.127	Removing of Existing Bituminous Pavement (1830 S. Y.)	1	L. S.
202.203	Pavement Butt Joints	2125	S. Y.
403.10	Hot Bituminous Pavement, Grading "D"	252	Ton
503.12	Reinforcing Steel, Fabricated and Delivered	410	Lb.
503.13	Reinforcing Steel, Placing	410	Lb.
507.30	Aluminum Bridge Railing Splice Retrofit	40	Each
508.13	Membrane Waterproofing (1850 S. Y.)	1	L. S.
518.30	Rehabilitation of Structural Concrete Slab - to Reinforcing Steel	400	S. F.
518.31	Rehabilitation of Structural Concrete Slab - to Below Reinf. Steel	250	S. F.
526.301	Temporary Concrete Barrier - Type I	1	L. S.
606.1731	Bridge Connections (Leading End)	4	Each
606.1732	Bridge Connections (Trailing End)	4	Each
606.178	Guard Rail Beam	87.5	L. F.
606.25	Terminal Connector	4	Each
606.364	Guard Rail, Remove, Modify and Reset, Type 3B	75	L. F.
606.367	Replace Unusable Existing Guard Rail Post	14	Each



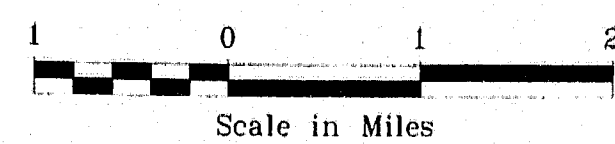
BRIDGE RAIL SPLICE BAR DETAIL
Drill 2 - 1/8" holes and install 2 - 1/8" x 1 Type F, Hex Washer Head Tapping Set Screws (Stainless)



PAVEMENT TRANSITION
Typical both ends of each bridge



LOCATION MAP



108-36 50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

INTERSTATE 95 N.B. & S.B.
OVER
COBBOSSECONTEE STREAM
IN THE MUNICIPALITIES OF
GARDINER & WEST GARDINER
KENNEBEC COUNTY

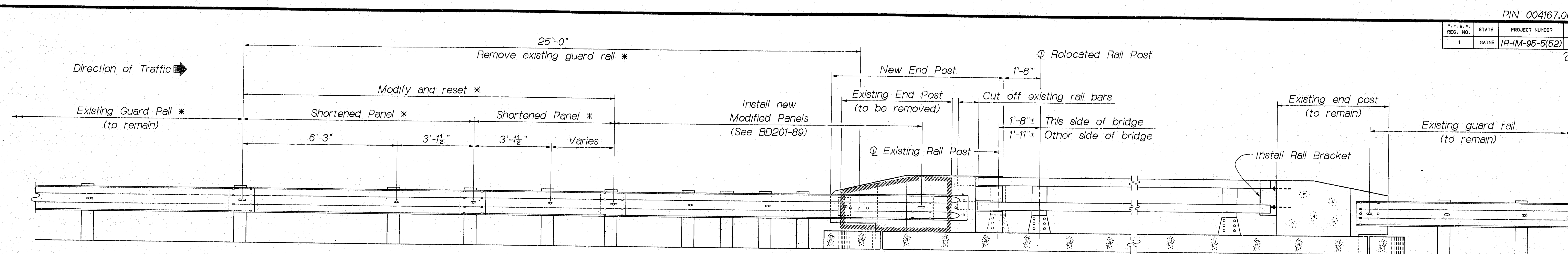
GENERAL PLAN

SHEET 1 OF 4 AUGUSTA, MAINE February 1992
Gardiner / West Gardiner - 95

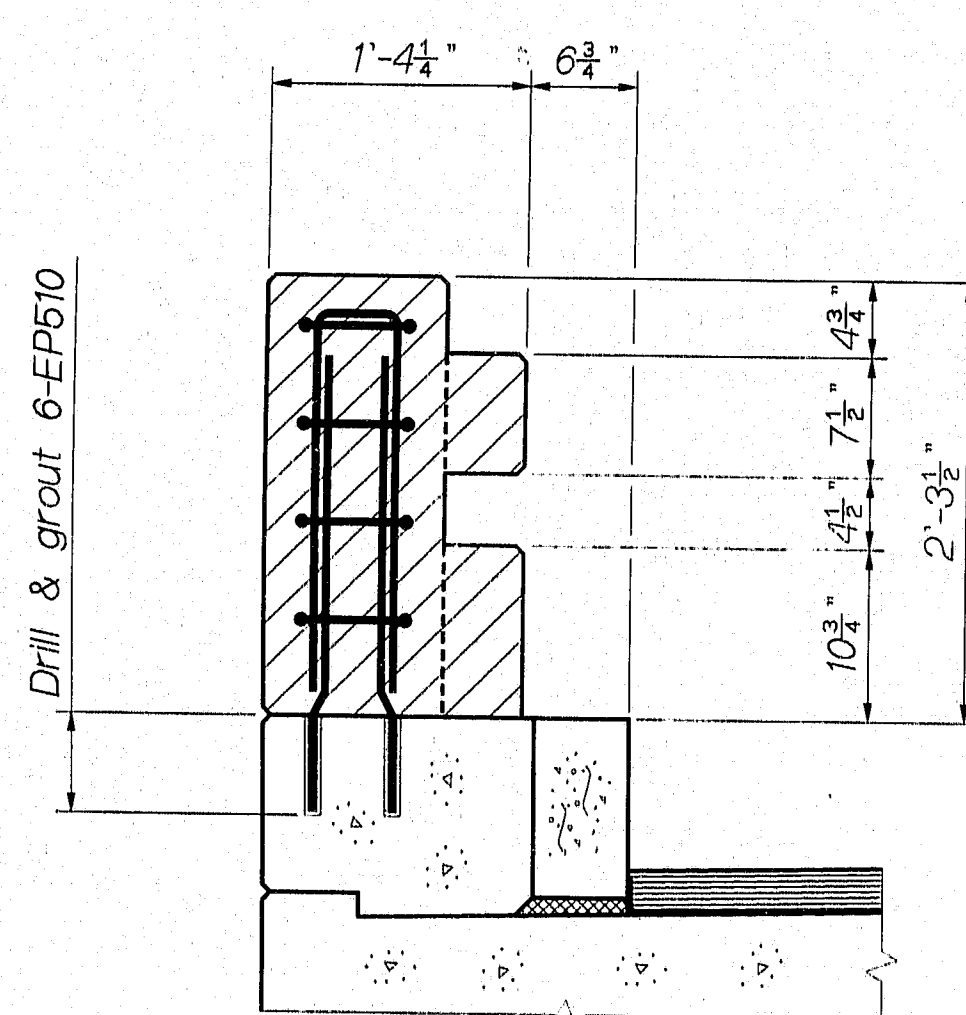
PROJECT DESIGN ENGINEER	DATE
BY: D. Darrin	2/92
DESIGN-DRAWN	
CHECKED	
REVISIONS	
FIELD CHANGES	

08AUG93-010050

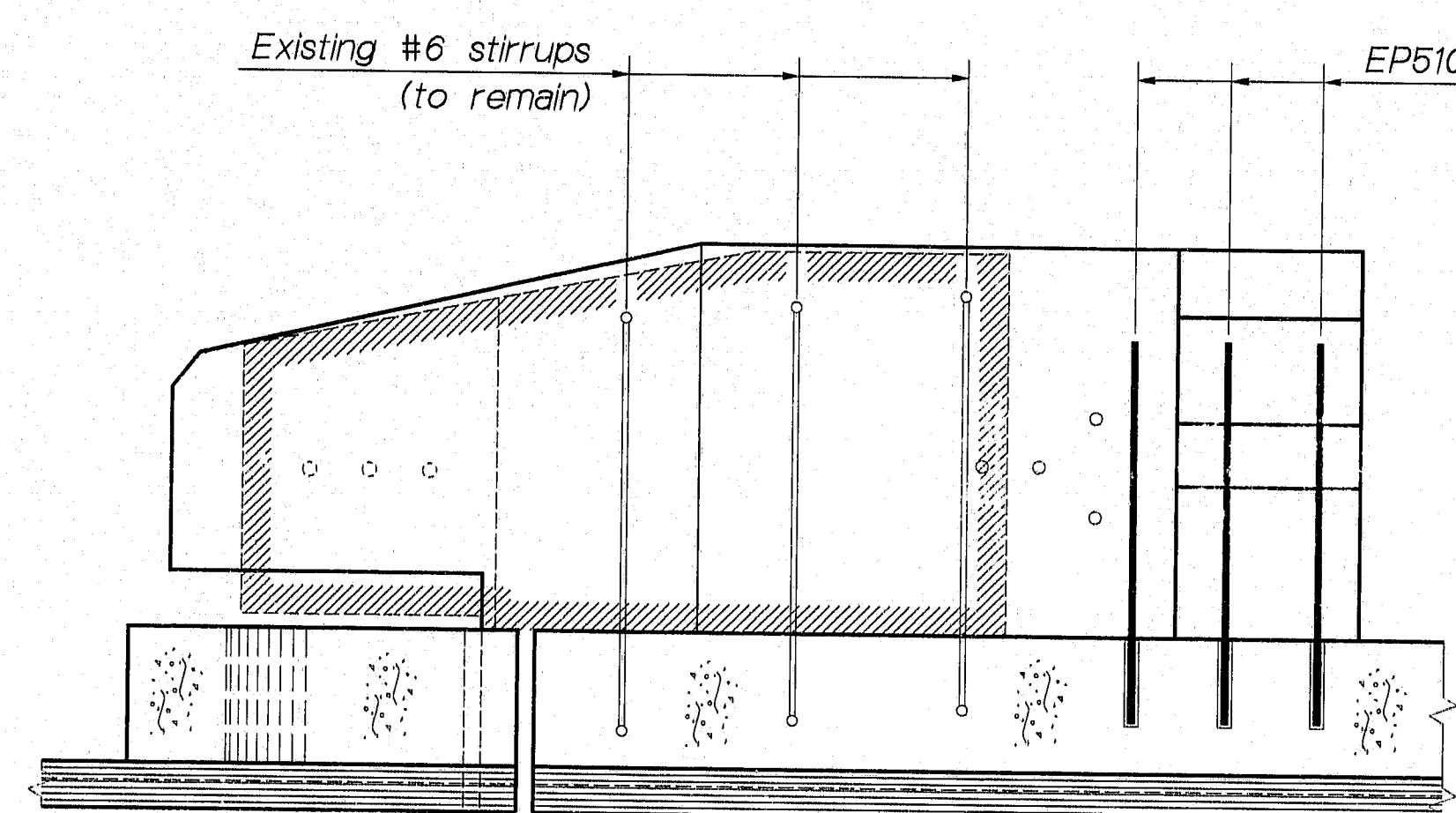
As Built 1992 - Blended 7/8/94



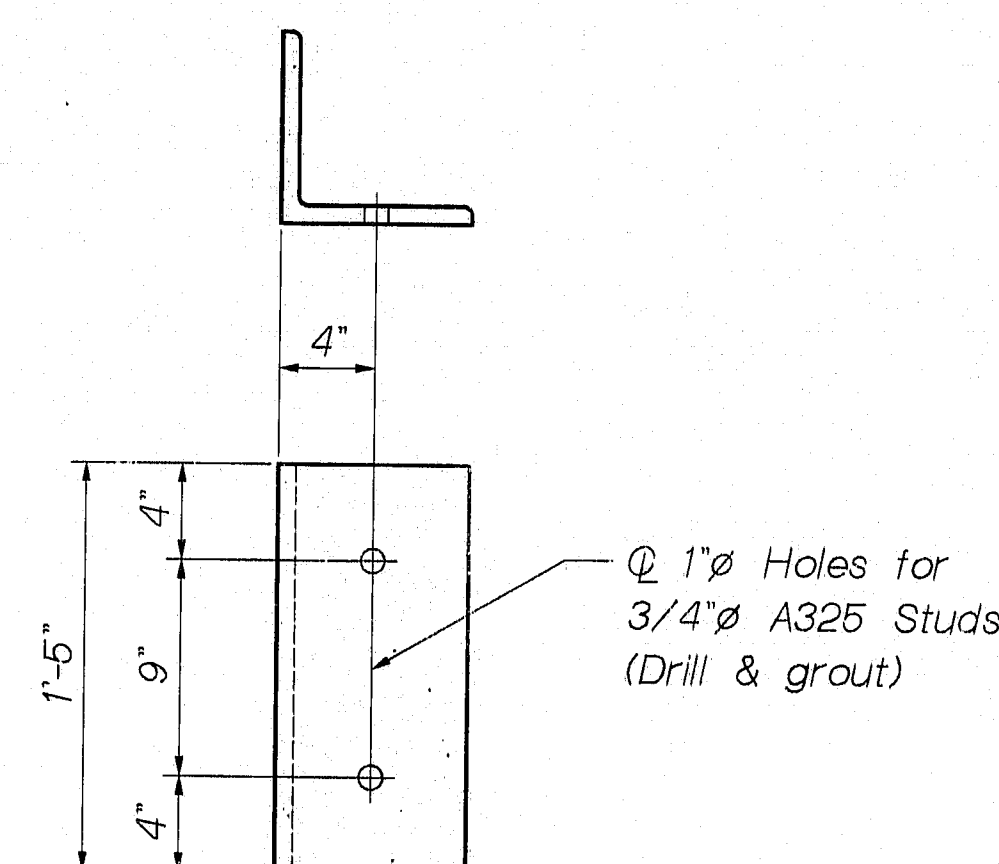
RAILING ELEVATION
Typical both sides of each bridge,
except see Note No. 7



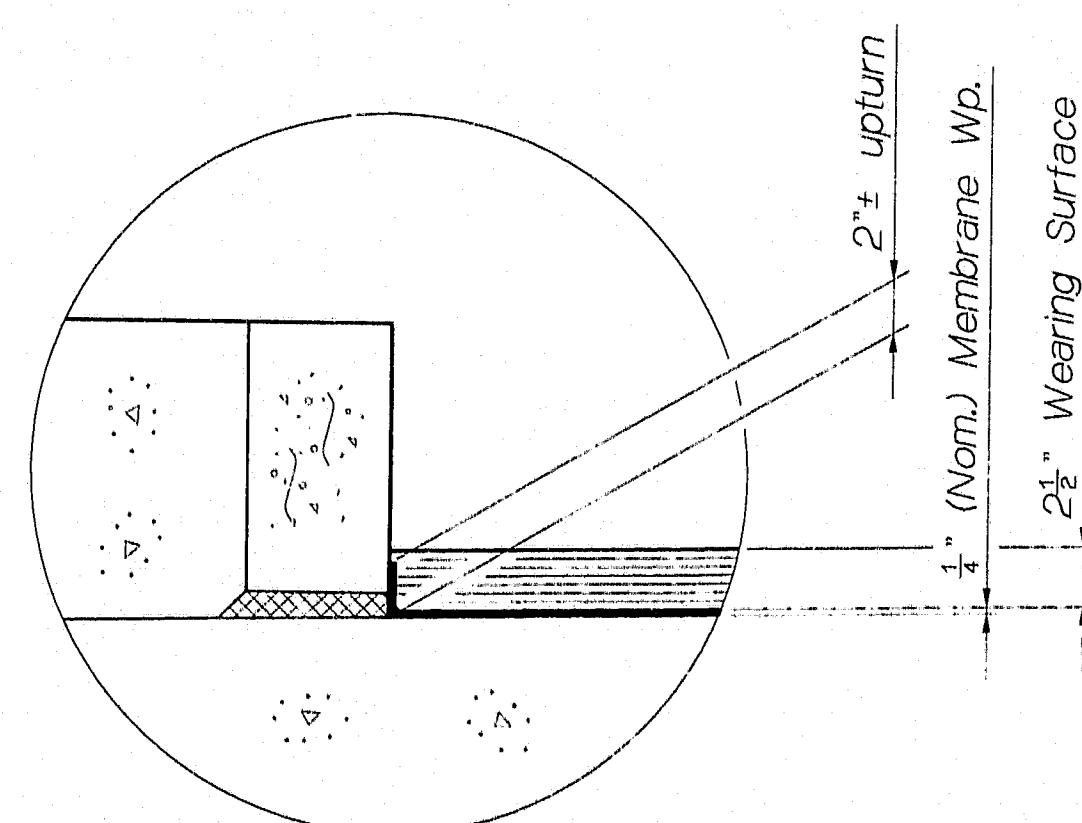
MODIFIED SECTION A-A
See BD201-89



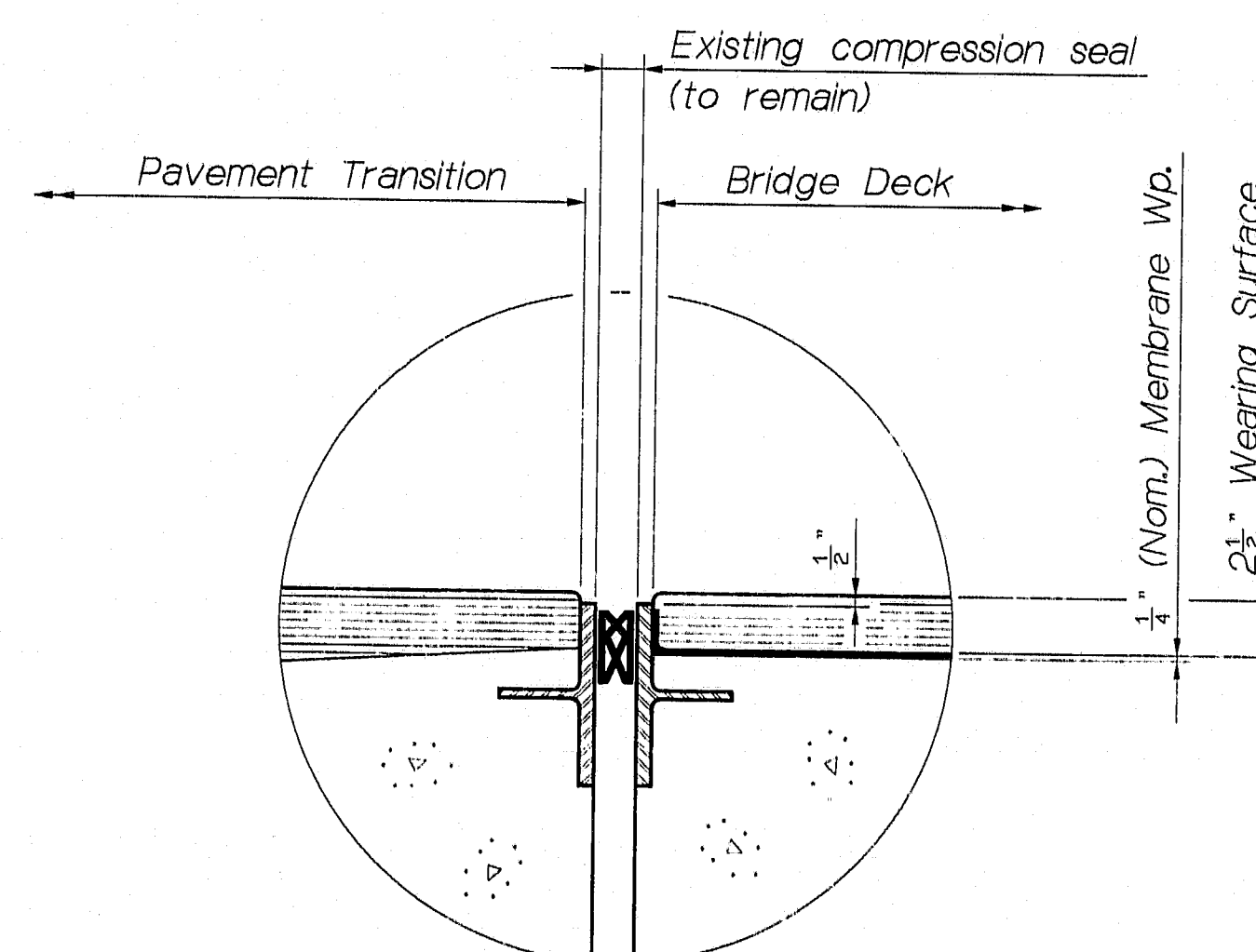
END POST ELEVATION



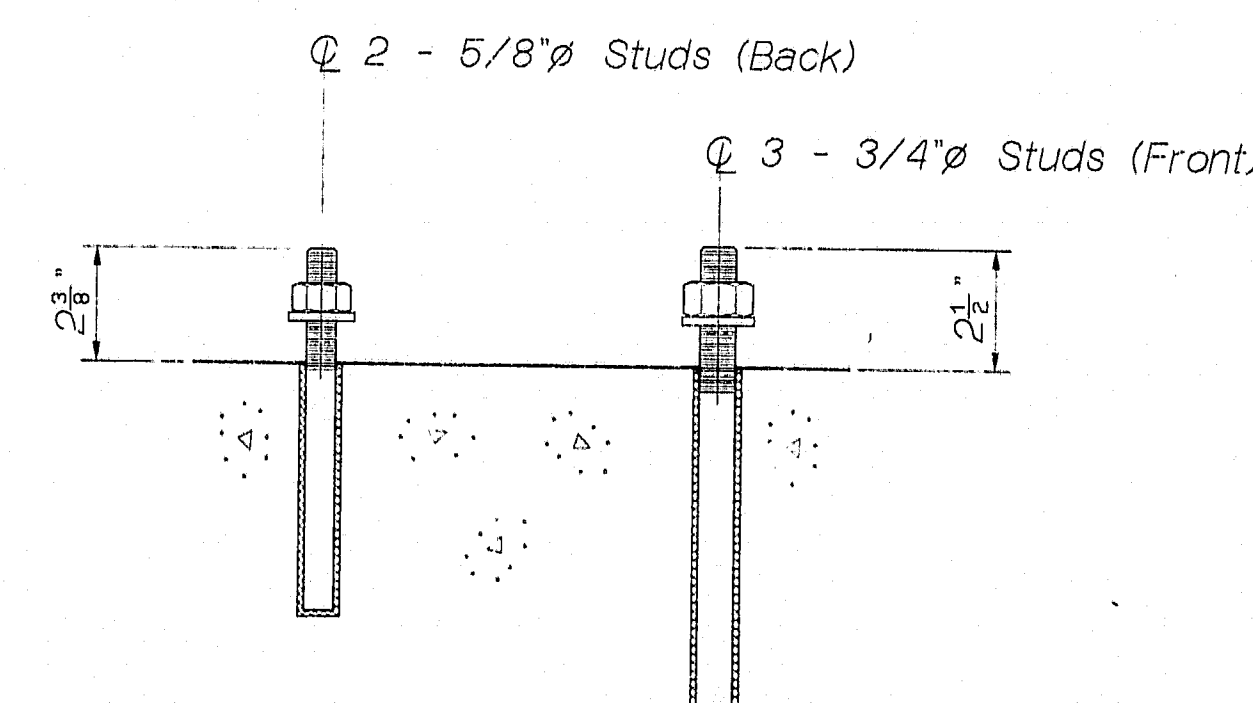
RAIL BRACKET
L8 x 8 x 3/4 (A36 Galv'd.)



WEARING SURFACE DETAIL
(Typical at curbs)



WEARING SURFACE DETAIL
(Typical at expansion joints)



RAIL POST ANCHORAGE
See Special Provision Section 507





- ## NOTES

1. Payment for removal of the existing bituminous wearing surfaces and waterproofing membrane will be made under Item No. 202.127, Removing of Existing Bituminous Pavement.
2. Payment for providing pavement transitions will be made under Item No. 202.203, Pavement Butt Joints.
3. Concrete end posts will be paid for under Item No. 606.1731, Bridge Connections (Leading End).
4. The existing aluminum bridge rail posts adjacent to the new end posts shall be carefully removed and relocated as shown. The rail bars shall be cut to length and the rail caps reinstalled. All work will be in accordance with Special Provisions Section 507. Payment will be considered incidental to Item No. 606.1731, Bridge Connections (Leading End).
5. The anchorage system to be used to install the Rail Brackets on the existing concrete end posts shall be approved by the Engineer. Payment for all work and materials will be made

6. Existing guard rail designated to be removed, modified and reset shall be cut to length to accommodate the new end post anchorage arrangement. Payment will be made under Item No. 606.364, Guard Rail, Remove, Modify and Reset, Type 3B and will be based on the full amount to be removed (25 L. F. at each leading end, except as noted below).
7. Guard Rail work designated with an asterisk (*) shall be done at all leading ends except at the southbound median leading end, where guard rail will be entirely replaced as indicated elsewhere in this contract. Refer to details shown on BD201-89 for guard rail requirements at this location.
8. Payment for the doubled guard rail panels and extra posts will be made under Item No.'s 606.178, Guard Rail Beam and 606.367, Replace Unusable Existing Guard Rail Post, respectively.
9. All work except the final course of paving shall be done behind Temporary Concrete Barrier.
10. Silica fume additive is not required in the concrete end posts.

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SYMBOLS

-  New Concrete (Section)
 Existing Concrete (to remain)
 Existing Concrete (to be removed)¹
 Existing Granite (to remain)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

INTERSTATE 95 N.B. & S.B.
OVER
COBBOSEECONTEE STREAM
IN THE MUNICIPALITIES OF
GARDINER & WEST GARDINER
KENNEBEC COUNTY

BRIDGE DETAILS

SHEET 2 OF 4 AUGUSTA, MAINE February 1992
Gardiner / West Gardiner - 05

As Bu. 11 1972 421 Blau head 31/8/74

