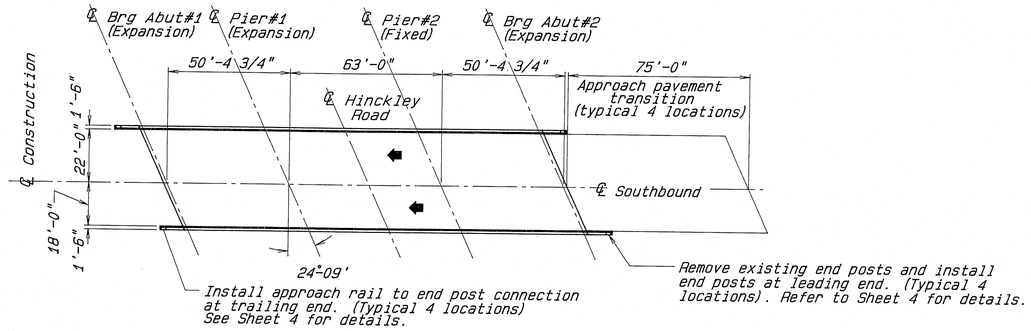
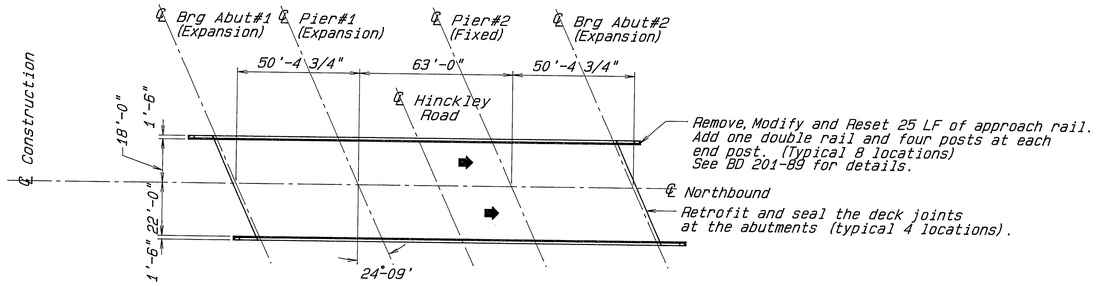
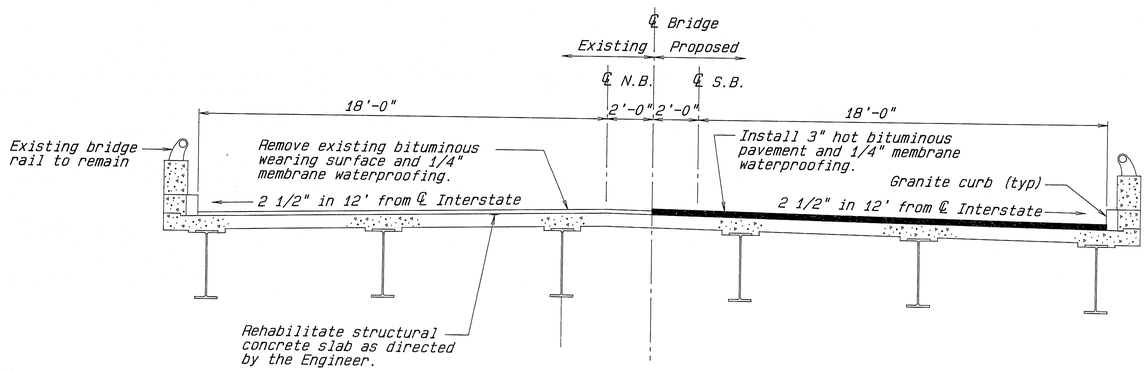




I-95 OVER HINCKLEY ROAD

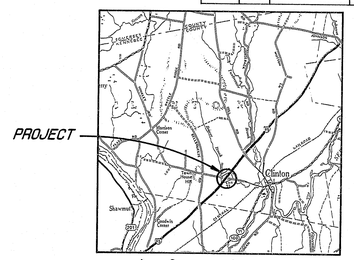
25 0 25 50
Scale of Feet



TRANSVERSE SECTION

PIN 024963.00

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	IR-IM-95-7(128)131	13	28



LOCATION MAP

SCOPE OF WORK

Remove existing bituminous wearing surface and existing membrane. Replace with 3" bituminous wearing surface and 1/4" membrane waterproofing. Slab rehabilitation is required. Modify approach rail transition by adding one double rail and five posts at each end post. Retrofit and seal the deck joints at the abutments. Remove existing end posts and install standard end posts at leading ends. Install approach rail to end post connection at trailing ends.

MAINTENANCE OF TRAFFIC

Maintain one 15'-0" minimum lane of traffic in each direction.

TRAFFIC DATA
I-95 over Hinckley Road

	N.B.	S.B.
Current (1992) AADT	6645	5630
Future (2002) AADT	8640	7315
DHV - % of AADT	13	13
Design Hour Volume	1125	950
% Heavy Trucks (AADT)	16	16
% Heavy Trucks (DHV)	9	9
Directional Distribution (DHV)	100	100

107-323 13

Refer to Sheet 3 for Approach pavement transition detail.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE REPLACEMENT
AT
INTERSTATE 95
OVER HINCKLEY ROAD
IN THE TOWN OF
CLINTON
KENNEBEC COUNTY

GENERAL PLAN

SHEET 1 OF 4 AUGUSTA, MAINE MAY 1992

PIN 004963.00

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	IR-IM-95-7(120)131	14	28

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY			UNIT
		Northbound	Southbound	TOTAL	
202.127	Removing of Existing Bituminous Pavement	0.05	0.05	0.10	LS
202.128	Removing of Existing Concrete-Curbs & Sidewalks	0.04	0.04	0.08	LS
202.203	Pavement Butt Joints	667	667	1334	SY
403.10	Hot Bituminous Pavement, Grading D	177	177	354	TON
409.15	Bituminous Tack Coat, Applied	34	34	68	GAL
508.13	Membrane Waterproofing	0.05	0.05	0.10	LS
514.06	Curing Box for Concrete Cylinders	0.13	0.12	0.25	EA
518.30	Rehab of Structural Concrete Slab-to Reinf. Steel	133	133	266	SF
518.31	Rehab of Structural Concrete Slab-to below Reinf. Steel	67	67	134	SF
518.39	Repairing Granite Curb Bedding Mortar	85	85	170	LF
520.241	Bridge Joint Modification - Type I	2	2	4	EA
526.301	Temporary Concrete Barrier-Type I	0.08	0.08	0.16	LS
527.32	Portable Crash Barrels	8	8	16	EA
606.173	Bridge Connections	2	2	4	EA
606.25	Terminal Connector	4	4	8	EA
606.364	Guard Rail, Remove, Modify and Reset, Type 3b	100	100	200	LF
627.611	6 Inch Solid White Pavement Marking Line	200	200	400	LF
627.621	6 Inch Broken White Pavement Marking Line	950	950	1900	LF
627.631	6 Inch Solid Yellow Pavement Marking Line	200	200	400	LF
627.67	Removing Pavement Markings	100	100	200	SF
627.691	Tem 6" Plastic Pave Marking Line, Yellow or White	2250	2250	4500	LF
639.18	Field Office Type "A"	0.10	0.10	0.20	EA
639.22	Testing Facilities Bituminous Mixes	0.05	0.05	0.10	LS
639.23	Testing Facilities Concrete	0.13	0.12	0.25	LS
652.30	Flashing Arrow Board	1	1	2	EA
652.31	Type I Barricade	10	10	20	EA
652.33	Drum	2	2	4	EA
652.34	Cone	5	5	10	EA
652.35	Construction Signs	113	113	226	SF
652.361	Maintenance of Traffic Control Devices	0.07	0.07	0.14	LS
652.38	Flagger	100	100	200	MH
659.10	Mobilization	0.10	0.10	0.20	LS

ESTIMATE of LUMP SUM QUANTITIES

202.127	Removing of Existing Bituminous Pavement	740	740	1480	SY
508.13	Membrane Waterproofing	740	740	1480	SY

General Construction Notes:

1. Reinforcing Steel shall have a 2 inch cover unless otherwise noted.

2. Protective coating for concrete surfaces shall be applied to all exposed surfaces of new concrete. Payment shall be considered incidental to related contract items.

3. The new end post stirrups detailed for the project shall be drilled and grouted by a method approved by the Engineer and shall meet in place proof load requirements for unconfined pull out of: #5 bar=11,300 pounds service load. Proof loading will be the responsibility of the Department and will be done at the discretion of the Engineer. Minimum set time for proof loading shall be specified by the Contractor. The minimum proof loading obtained will be 150% of service load. Payment for labor, materials and all incidentals required to complete this work shall be considered incidental to Item 606.173, Bridge Connections.

4. Existing reinforcing steel to remain shall be cleaned as directed prior to placing new concrete.

5. The existing concrete shall be removed so as not to damage existing vertical and horizontal steel in the parapets or the longitudinal and transverse reinforcing steel in the superstructure and abutment. Any damaged reinforcing steel shall be replaced at the Contractor's expense.

6. The Contractor's operations shall be conducted such that traffic will not travel on an unsurfaced concrete deck at any time. Existing bituminous pavement shall be removed and new bituminous pavement shall be placed to facilitate this requirement.

7. All utility facilities shall be adjusted by the respective utilities unless noted. Utilities: Central Maine Power, New England Telephone,

8. The top of the concrete slab where concrete has been removed or rehabilitated shall be prepared to a suitable surface to receive the membrane waterproofing by a method approved by the Engineer. Payment for all labor, materials, and equipment will be incidental to related contract items.

9. Payment for the terminal connectors, related hardware and installation will be made under Item 606.25 Terminal Connector.

10. Concrete end posts, including removing existing end posts, parapets slab concrete, granite curbing, abutment concrete, bridge rail modifications; reinforcing steel, fabrication, delivery, and placment, silica fume additive; and all incidentals required to do the work will be considered incidental to Item 606.173, Bridge Connections.

11. Any necessary adjustments to existing rail posts and the removal and replacement of curb concrete shall be as approved by the Engineer. Payment will be considered incidental to the appropriate Bridge Joint Modification Pay Items.

12. Existing granite curb which requires removal in order to seal the expansion joints and install the end posts shall be carefully and neatly cut off as required. Concrete shall be placed to the limits shown on the plans. Payment will be considered incidental to related contract items.

13. Dimensions shown are from existing plans and may differ from actual field dimensions. Field verify all dimensions prior to construction.

11. Built 1973

107-324 1A

LEGEND

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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

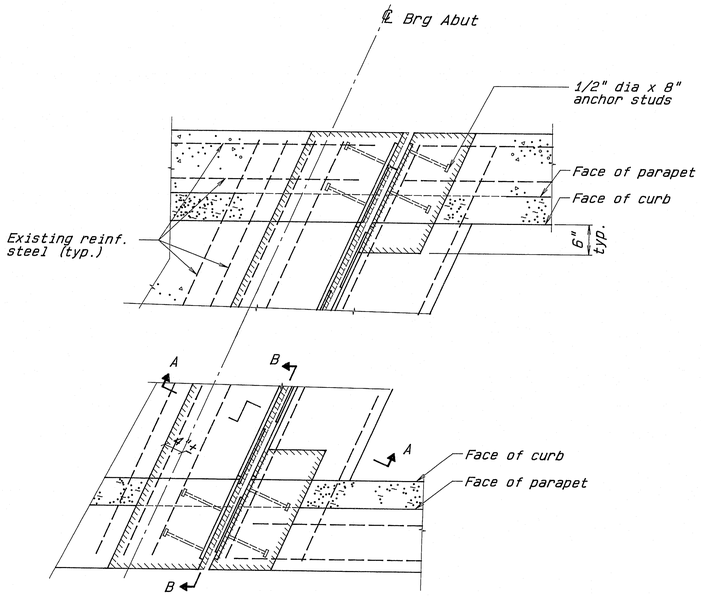
WEARING SURFACE REPLACEMENT
AT
INTERSTATE 95
OVER HINCKLEY ROAD
IN THE TOWN OF
CLINTON
KENNEBEC COUNTY

ESTIMATED QUANTITIES & GENERAL NOTES

SHEET 2 OF 4 AUGUSTA, MAINE MAY 1992

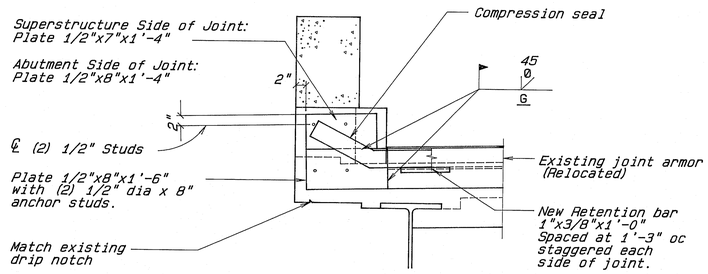
PIN 004963.00

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	IR-IM-95-7(120)131	15	28

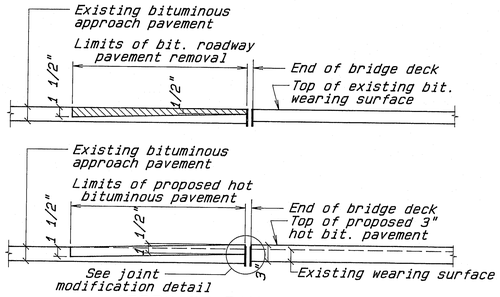


BRIDGE JOINT MODIFICATION TYPE I

Abutments 1 & 2, NB & SB



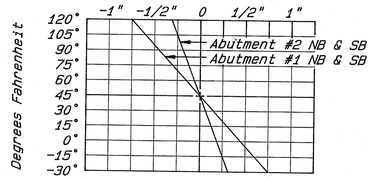
SECTION B-B



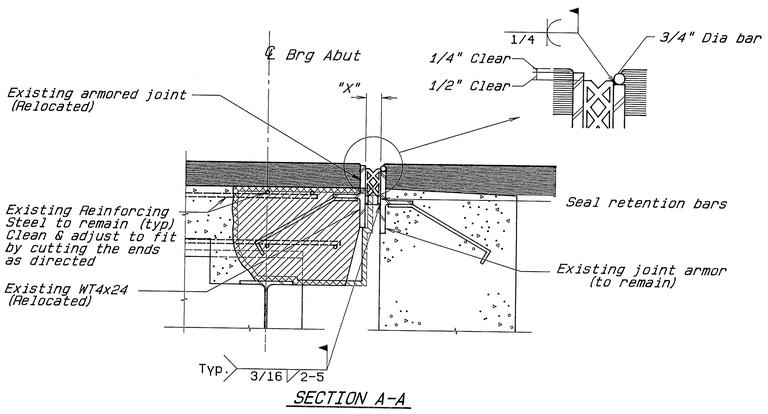
APPROACH PAVEMENT TRANSITION DETAIL

NOTES

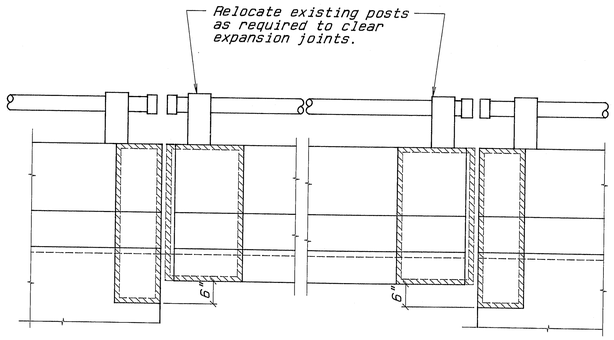
1. Compression seals to be furnished shall have a minimum movement rating of 1 1/2" at Abut #1, and 5/8" at Abut #2, NB & SB.
2. The seal shall be approved by the Engineer prior to fabrication of the joint armor.
3. The joint opeining "X" will vary depending on the dimensions of the seal selected by the Contractor. The joint opening shall be set according to the opening shown on the approved shop drawings.
4. Final adjustment for temperature shall be made in the field according to the "Seal Adjustment Chart". Adjustment shall be measured parallel to the centerline of construction.
5. Seals shall be installed in one continuous length. Splicing of the seal is not allowed. A temporary interruption of traffic is anticipated to facilitate the installation.
6. The upturned ends of the compression seals shall be sealed in a manner approved by the Engineer.



SEAL ADJUSTMENT CHART



SECTION A-A



FASCIA ELEVATION

As Built 1993

107-325 15

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE REPLACEMENT
AT
INTERSTATE 95
OVER HINCKLEY ROAD
IN THE TOWN OF
CLINTON
KENNEBEC COUNTY

JOINT DETAILS

SHEET 3 OF 4 AUGUSTA, MAINE MAY 1992