Commonwealth of Kentucky
Transportation Cabinet
Frankfort, Kentucky 40622

James C. Codell, III
Secretary of Transportation

Clifford C. Linkes, P.E.
Deputy Secretary

Paul E. Patton
Governor

June 18, 2003

PCN 03-0448
CHANGE # 1

Subject: Mercer County, FE02 084 0152 B00005
Letting May 23, 2003 Extended to June 27, 2003

Listed below are the enclosed changes on the subject project:

(1) Revised - Sketch
(2) Revised - Special Notes and Drawings for Mercer County
(3) Revised - Bid Items

If you obtained bid items from our Website, it is **imperative** that you download a new set of bid items before submitting them for bidding.

Your bid, to be considered, must be based upon the above-mentioned changes, and these changes are to be made a part of the bid proposal, which you submit to the Kentucky Department of Highways.

Specimen proposals may not be used for bidding purposes.

If you have any questions, please contact us at (502) 564-3500.

Sincerely,

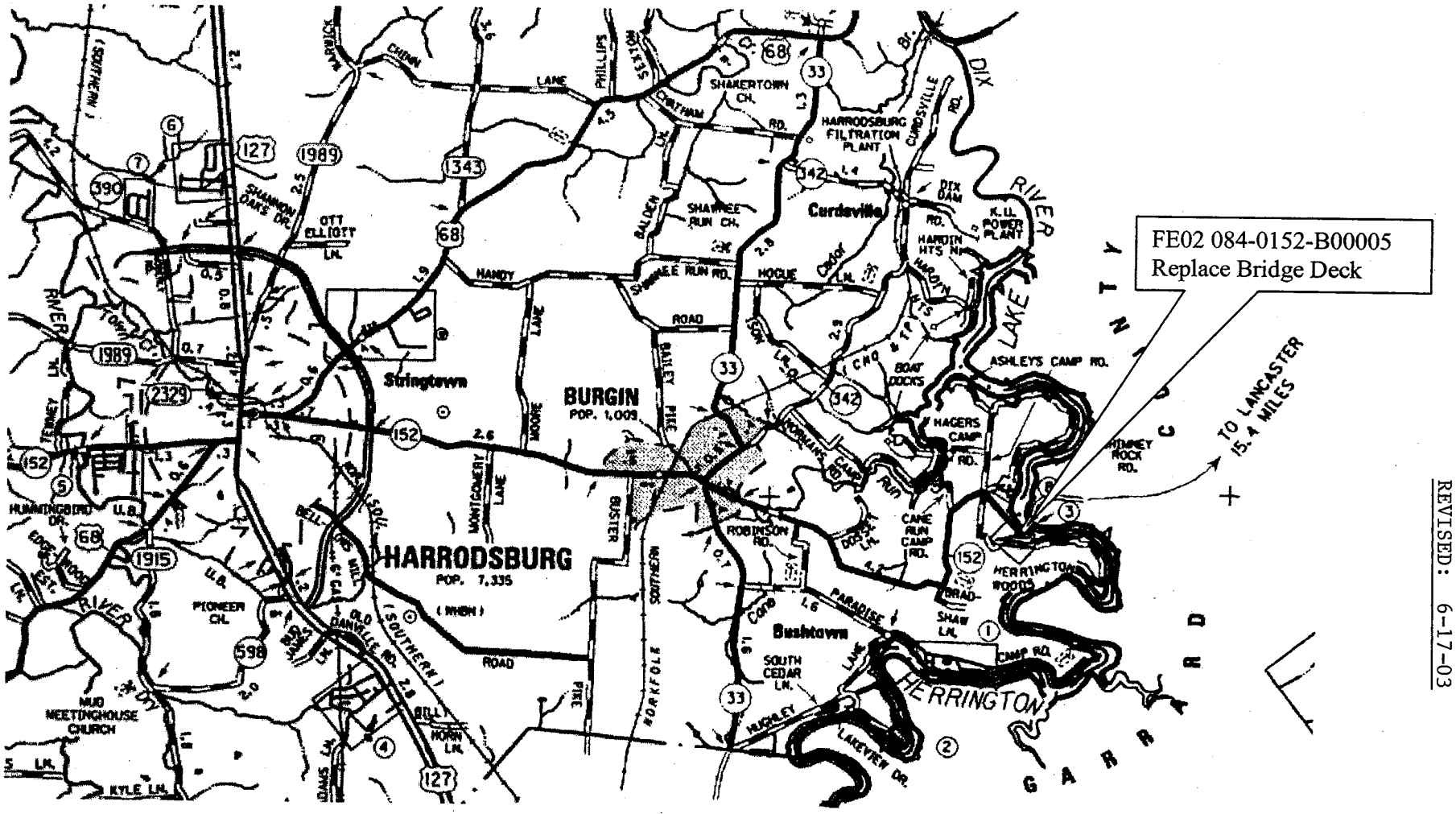
Rick Stansel
Director
Division of Contract Procurement

Enclosures
RS:ks

EDUCATION PAYS

KENTUCKY TRANSPORTATION CABINET
"PROVIDE A SAFE, EFFICIENT, ENVIRONMENTALLY SOUND, AND FISCALLY RESPONSIBLE TRANSPORTATION SYSTEM
WHICH PROMOTES ECONOMIC GROWTH AND ENHANCES THE QUALITY OF LIFE IN KENTUCKY."
"AN EQUAL OPPORTUNITY EMPLOYER M/F/D"

Mercer County
FE02 084-0152-B00005
KY 152 over Herrington Lake



REVISED: 6-17-03

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SPECIAL NOTES AND DRAWINGS FOR

MERCER COUNTY

Notes for Deck Replacement	Page 1 thru 3
Additional Notes	Page 4
Traffic Control Plan	Page 5
References of Sketches and Standard Drawings Applicable to this Project	Page 6
Note for Placing Bridge Overlay Approach Pavement	Page 1 thru 2
Drawings	Sheets 1 thru 3

NOTES FOR DECK REPLACEMENT

Mercer County
FE02 084-0152-B00005
(MP 18.55)

These Notes or designated portions thereof, apply where so indicated on the plans, proposals or bidding instruction.

I. DESCRIPTION

Perform all work in accordance with the **Kentucky Transportation Cabinet, Department of Highways Standard Specifications for Road and Bridge Construction**, Edition of 2000, Section 606, and applicable Supplemental Specifications, except as hereafter specified. Section references are to the Standard Specifications.

The work consists of: (1) Furnishing all labor, materials, tools, and equipment; (2) Removing and disposing of existing bridge deck down to top of stringers; (3) Placing new corrugated bridge planking; (4) Preparing the surface of the bridge planking for placement of asphalt surface; (5) Applying tack coat and edge sealant; (6) Furnishing, placing and compacting asphalt surface; (7) Maintaining and controlling traffic; and (8) Any other work specified as part of this contract.

II. MATERIALS

A. **6" x 2", 7 gage, Hot Dip Galvanized, Punched, Bridge Plank:** The Contractor shall provide bridge planking as manufactured by Contech Construction Products, Inc. or equivalent.

Contech Construction Products, Inc.
230 Northland Blvd. – Suite 223
Cincinnati, OH 45246
Phone: (513) 771-0030
Fax (513) 771-0038

B. **Class 2 Asphalt Surface 0.38D PG 64-22:** See Section 403.

C. **Tack Coat:** See Section 406.

D. **Silicone Joint Sealer:** See Section 807.02.04 part C.

III. CONSTRUCTION

A. **Remove Existing Bridge Deck:** The Contractor shall remove the existing bridge deck down to the top of stringers in accordance with Section 203.03.03. Dispose of all materials completely away from the jobsite. This work shall be incidental to "Remove Existing Bridge Deck".

B. **Place New Bridge Planking:** Place new 6" x 2", 7 gage, Hot Dip Galvanized, Punched, Bridge Planking with corrugations running perpendicular to the stringers and as directed by the manufacturer. Attach Bridge Planking to stringers by placing two (2) 1" fillet welds in weld holes. Attach side dams and end dams as directed by the manufacturer. This work shall be incidental to "Bridge Planking".

C. **Reseal Expansion Joints:** Remove all debris from existing expansion devices and reseal with silicone joint sealer.

D. **Produce and Place Asphalt Surface:** Apply an asphalt tack coat in accordance with Section 406. Produce and place the new 1 ¼" asphalt surface in accordance with Section 403 and compact under Option B.

V. METHOD OF MEASUREMENT

A. **Remove/Re-install Railing:** The Department shall measure the quantity in linear feet along the actual length of the rail.

B. **Bridge Planking:** The Department shall measure the quantity in linear feet along the actual length of the plank.

C. **Reseal Expansion Joint:** The Department shall measure the quantity in linear feet from edge of pavement to edge of pavement along the centerline of the joint.

D. **Class 2 Asphalt Surface 0.38D PG64-22:** See Section 403.

VI. METHOD OF PAYMENT

A. **Remove/Re-install Railing:** Payment of the contract unit price bid per linear foot is full compensation for furnishing all labor, equipment, tools, and incidentals necessary to remove and re-install the existing railing.

B. **Remove Existing Bridge Deck:** Payment of the contract lump sum bid price is full compensation for furnishing all labor, equipment, tools, and incidentals necessary to remove the existing bridge deck as specified by these notes.

C. **Bridge Planking:** Payment of the contract unit price bid per linear foot is full compensation for furnishing all labor, equipment, tools, and incidentals necessary to install the new bridge planking and side dams.

D. **Reseal Expansion Joint:** Payment of the contract unit price bid per linear foot is full compensation for furnishing all labor, equipment, tools, materials, and incidentals necessary to reseal the expansion devices.

E. **Class 2 Asphalt Surface 0.38D PG64-22:** See Section 403.

ADDITIONAL NOTES

CLOSURE OF STRUCTURE: The Contractor shall close the structure entirely to traffic for no more than 30 consecutive calendar days in order to perform the work as outlined. The Department shall consider closing the structure to be a single lane closure. Payment shall be made in accordance with Section 112 of the **Transportation Cabinet, Department of Highways Standard Specifications for Road and Bridge Construction, Edition of 2000**.

COMPLETION DATE: All work is to be completed by September 1, 2003.

Contrary to the Standard Specifications, the Engineer will charge every calendar day beginning with the 1st day the Contractor places traffic control.

Contrary to the Standard Specifications, liquidated damages will be assessed the Contractor at a rate of $5,000.00 per day for any portion of a day, when the allotted number of calendar days is exceeded. The Contractor will be assessed additional liquidated damages at a rate of $5,000.00 per day for any portion of a day that the September 1, 2003 completion date is exceeded

Contrary to the Standard Specifications, liquidated damages will be assessed the Contractor during the months of December, January, February and March when the contract time has expired. Contract time will be charged during these months.

TRAFFIC CONTROL PLAN
For Bridge Repair Projects

Sign road closure in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), 2000 Edition, Figure TA-8. The Contractor shall be responsible for the signs and barricades within 1500 feet of the closure. The District office will be responsible for detour signing.

Except as provided herein, traffic shall be maintained in accordance with the 2000 Standard Specifications, Section 112. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

Traffic control on KY 152 will be allowed only during the time designated for full closure of the roadway. The contractor has the option of making changes to the proposed Maintenance of Traffic plan; however, any changes must be made to the Resident engineer at least fourteen (14) days in advance of the beginning of work to allow for review of the proposed changes.

The contractor shall cover all existing signs that are in conflict with the traffic control scheme. This shall include overhead signs where applicable. The project engineer shall determine which signs are to be covered.

The contractor shall provide to the Resident engineer a local telephone number where the contractor or a contractor's authorized representative may be contacted in the event of an emergency at the jobsite during non-working hours.

CONTROL OF BOAT TRAFFIC: The Contractor shall make all necessary provisions to protect the boating traffic on Lake Herrington. No direct payment shall be made for this activity. This shall be considered incidental to "Maintain and Control Traffic".

VARIABLE MESSAGE SIGNS

If deemed necessary by the Engineer, variable message signs will be installed, operated, and maintained by the Department.

REFERENCES OF SKETCHES

Elevation View of Bridge	Sheet 1 of 3
Typical Section of Bridge	Sheet 2 of 3
Bridge Overlay Approach Pavement	Sheet 3 of 3

STANDARD DRAWINGS
Applicable to this project

TTD-100	Miscellaneous Traffic Control Devices
TTD-105	Miscellaneous Traffic Control Devices
TTD-110	Post Splicing Detail
BJE-001-11	Neoprene Expansion Dams and Armored Edges

NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

Construct an asphalt surface pavement wedge at each end of the structure(s) in this contract in accordance with the **Kentucky Transportation Cabinet, Department of Highways Standard Specifications for Road and Bridge Construction, Edition of 2000**, applicable Supplemental Specifications, and the attached detail drawings. Section references are to the Standard Specifications.

A. **Remove Existing Materials.** Remove the existing pavement material to provide for a minimum of 1 ¼" new pavement surface from the bridge end extending approximately 100 feet into the approach pavement and across the width of the approach pavement. The Engineer shall determine the actual length and width of the milling depending on site conditions at each bridge approach. Mill the existing asphalt surface so that the new surface will tie into the new armored edge and matches the original cross section of the approach. Mill a 3-foot edge key to tie the new surface into the existing surface approximately 100 feet from the bridge end. *The Engineer shall approve the Contractor's plan for restoring the approach grade prior to the removal of the existing surface.* Dispose of all removed material entirely away from the job site or as directed by the Engineer.

B. **Producing and Placing New Asphalt Surface.** Apply an asphalt tack coat in accordance with Section 406. Produce and place the new 1 ¼" asphalt surface in accordance with Section 403 and compact under Option B. The new asphalt surface mixture required for this project shall be "Class 2 Asphalt Surface 0.38D PG 64-22". Place the new asphalt surface to the original roadway cross section or as directed by the Engineer.

C. **Treatment of Shoulders.** On roadways with paved shoulders, the shoulders shall receive identical treatment to the mainline pavement. On roadways with earth or rock shoulders, the Contractor shall attempt to protect the shoulder from damage. Any damage to earth or rock shoulders shall be repaired by the Contractor to the satisfaction of the Department at no additional cost. These repairs may consist of re-grading, re-compacting, and/or placing millings to return the shoulder to its original cross section.

D. **Pavement Markings.** Pavement striping will be required to match the existing pavement striping. Pavement striping shall be in accordance with applicable sections of the Standard Specifications and shall be paid accordingly.

Raised pavement markers within the limits of the "Bridge Overlay Approach Pavement" shall be removed prior to the milling operation. The marker castings shall be cleaned and returned to the Engineer.

METHOD OF MEASUREMENT

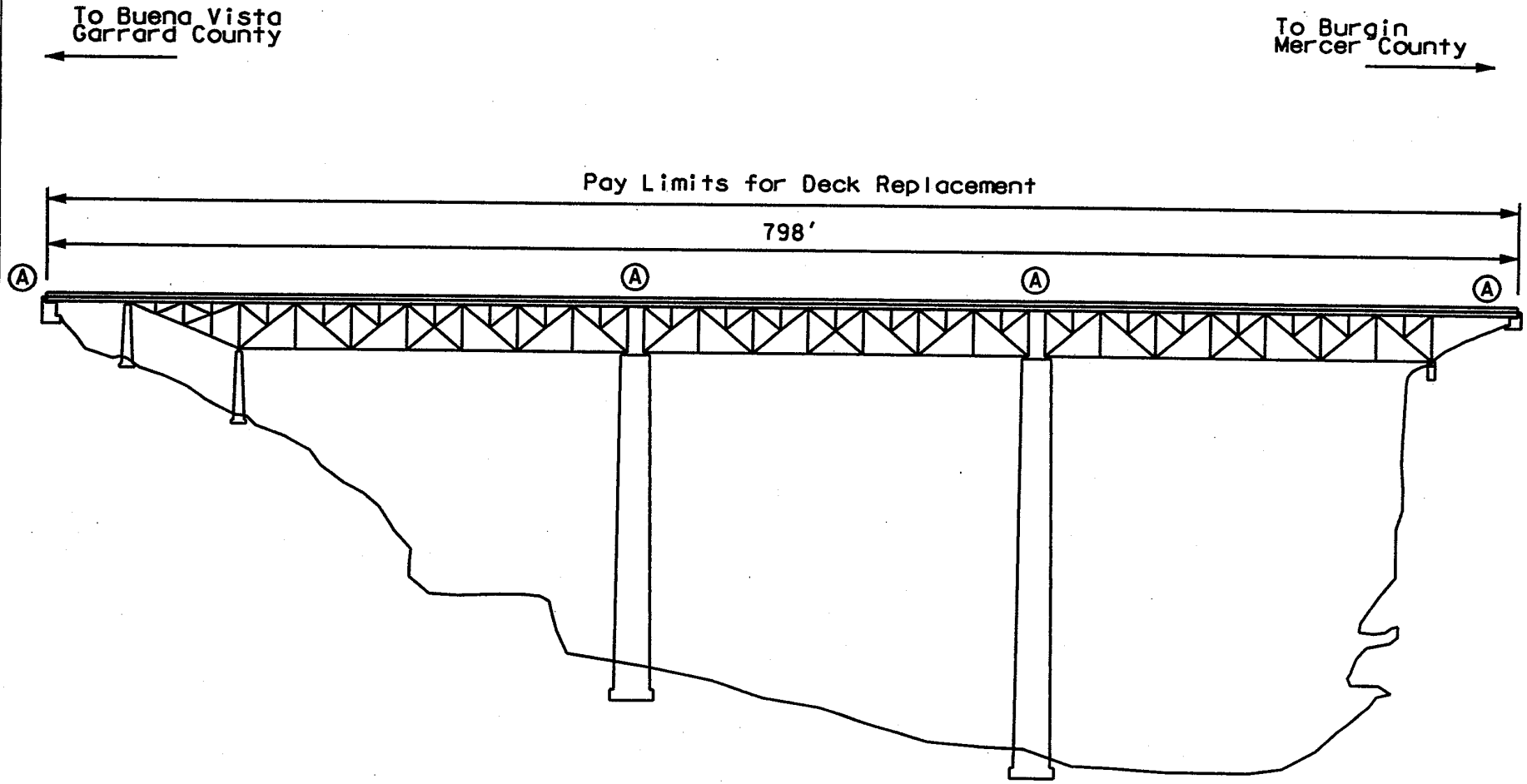
A. **Bridge Overlay Approach Pavement.** The Department will measure the quantity in square yards. The Department will measure along the centerline from each end of the structure to the point where the new pavement ties into the existing pavement and across the width of the new pavement perpendicular to the centerline of the pavement.

METHOD OF PAYMENT

A. **Bridge Overlay Approach Pavement.** Payment at the contract unit price per square yard is full compensation for backfilling at the end of the structure, removing existing pavement markers, mobilization of milling equipment, removing specified existing pavement material, furnishing and installing the asphalt tack coat, producing and placing the new asphalt surface, shoulder treatment, and all incidental items necessary to complete the work within the specified pay limits as detailed on the attached sketches.

The Department will consider payment as full compensation for all work required by these notes and detail drawings.

FE02 084-0152-B00005



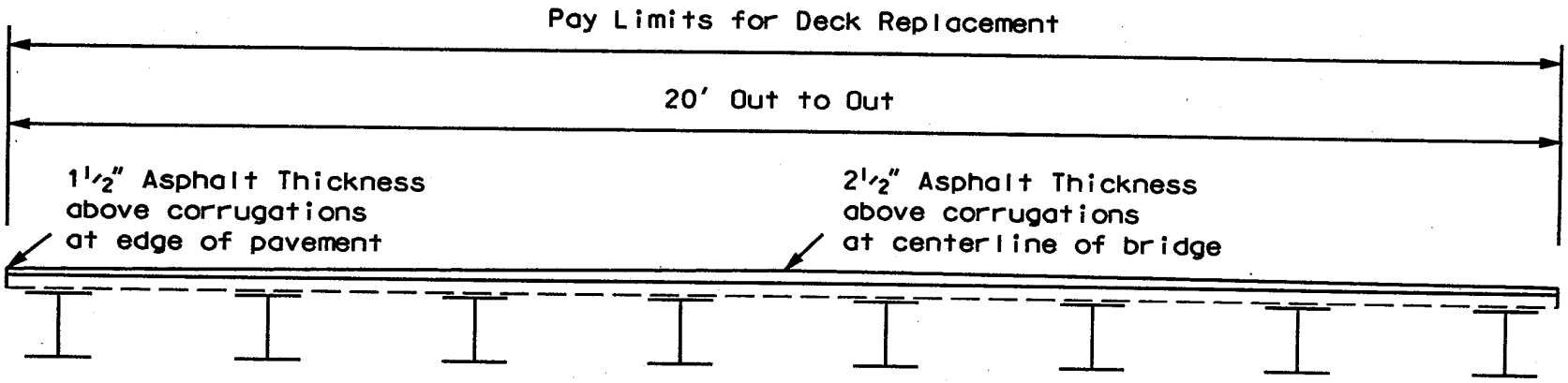
A - Reseal Expansion Joint

Elevation

Drawing is NOT to scale

FE02 084-0152-B00005

Shown without floorbeam and railing

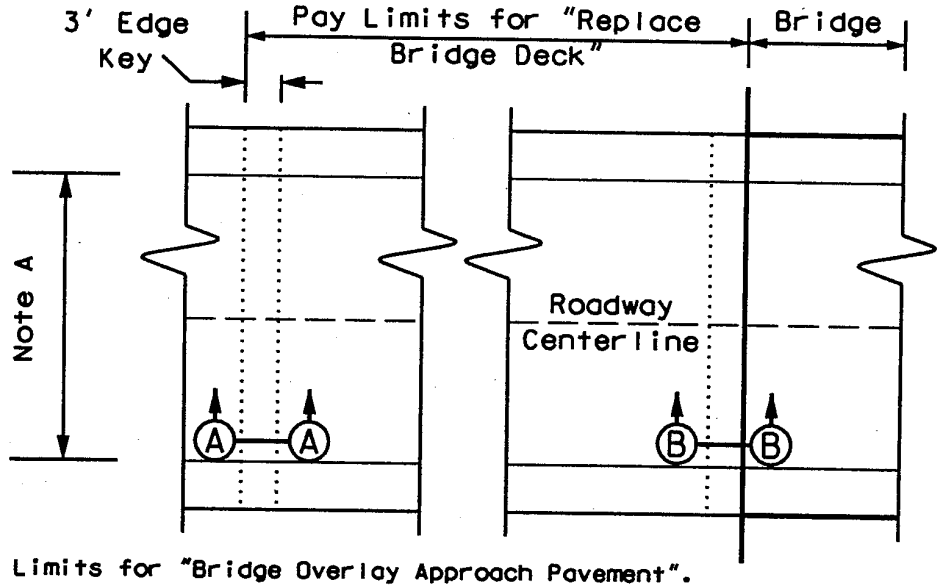


Typical Section

Drawing is NOT to scale

BRIDGE OVERLAY APPROACH PAVEMENT

Mill existing pavement to allow the new surface to tie in flush with the armored edge and match the original cross section of the approach. (Typically 100' in length and the width of the paved surface)

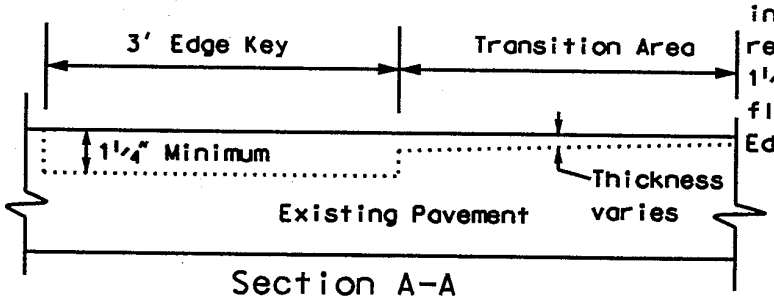


Note A - Pay Limits for "Bridge Overlay Approach Pavement". Measured across the width of the new pavement perpendicular to the centerline. To include paved shoulders if appliable.

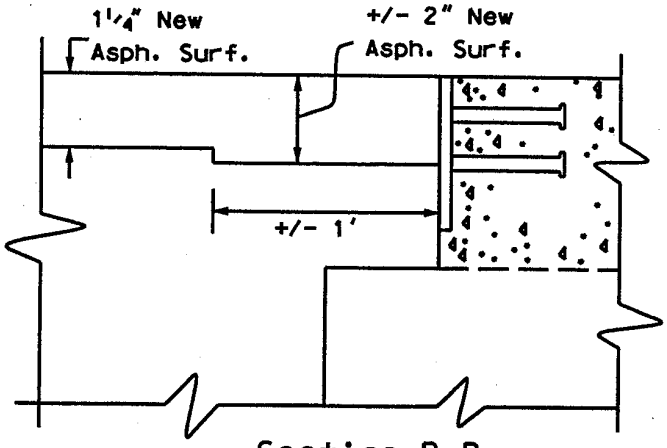
Plan View

Mill Edge Key to tie new asphalt surface into existing.

Mill existing pavement in transition area as required to tie in new 1¼" asphalt surface flush with new Armored Edge at bridge end.



Section A-A



Section B-B

Drawing is NOT to scale

TRANSPORTATION CABINET
Department of Highways
FRANKFORT, KY 40622

Sheet No: 1

MERCER COUNTY
FE02 084 0152 B00005

PCN: 03-0448
Letting: 5/23/2003

THE BIDDER MUST MAKE THE EXTENSIONS AND ADDITIONS
SHOWING TOTAL AMOUNT BID USING FIGURES ONLY

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
1	2005	WATER-FILLED BARRIERS	**40.00**	LIN FT	.	.
2	9886	REMOVE BRIDGE SLAB DECK	**1.00**	LP SUM	.	.
3	9901	GALV BRIDGE PLANK 6"X2"-7 GA (REVISED: 6-17-03)	**7,980.00**	LIN FT	.	.
		POLYMER MODIFIED ASPHALT (DELETED: 6-17-03)			.	.
4	9903	RESEAL EXPANSION JOINTS	**80.00**	LIN FT	.	.
5	9519	BRIDGE OVERLAY APPR PAVEMENT	**445.00**	SQ YD	.	.
6	0301	CL2 ASPH SURF 0.38D PG64-22 (ADDED: 6-17-03)	**225.00**	TON	.	.
7	2013	BARRICADE-TYPE II (REVISED: 6-17-03)	**4.00**	EACH	.	.
8	2562	SIGNS	**116.00**	SQ FT	.	.
9	2653	LANE CLOSURE	**1.00**	EA	.	.
10	2650	MAINTAIN AND CONTROL TRAFFIC	**1.00**	LP SUM	.	.
11	2569	DEMOBILIZATION	**1.00**	LP SUM	.	.
12		**TOTAL BID**				$.