TO THE UNIT PRICE BID FOR PRECAST PC BOX BEAM AND NO SEPARATE MEASUREMENT OF PAYMENT SHALL BE MADE.

TAPING A MINIMUM OF 6" AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH THE OVERLAP RUNNING DOWNHILL.

OR APPROVED EQUAL.

CADILLOC BY THE UP RUBBER CO. INC.

EZ-WRAP RUBBER BY PRESS-SEAL CASKET CORPORATION,

MASTIC TAPE SHALL BE EITHER:

9" ON EACH SIDE OF THE JOINT.

Mastic Tape: Mastic tape used to seal joints is to meet the requirements of ASTM C-877 TYPE I, II, OR III. The joint is to be suitably filled with mastic in accordance with section 826 of the standard specifications for reinforced concrete.

BEVEL EDGES: BEVEL ALL EXPOSED EDGES 3/4", UNLESS OTHERWISE NOTED.

DIMENSIONS: DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 60 DEGREES FAHRENHEIT. LAYOUT DIMENSIONS ARE HORIZONTAL AND SHALL BE REMOVED FROM THE RIGHT-OF-WAY.

DISPOSAL OF MATERIALS: ALL MATERIALS AND DEBRIS REMOVED FROM THE PROJECTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

BEARING SEAT: USE CLASS 'M' CONCRETE FOR PATCHING.

CONCRETE: USE CLASS "AA" CONCRETE THROUGHOUT THE BRIDGE ABOVE THE BEARING SEAT. USE CLASS 'A' CONCRETE BELOW THE BEARING SEAT.

REINFORCEMENT: DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE TO CENTER OF BARS UNLESS OTHERWISE SHOWN.

BEARING SEAT .

EPOXY COAT ALL BARS IN ACCORDANCE WITH SECTION 811.10 OF THE STANDARD SPECIFICATIONS FOR REINFORCEMENT ABOVE THE BEARING SEAT.

PADS IS TO BE INCLUDED IN THE UNIT PRICE PER LINEAR FEET FOR PRECAST BEAMS.

THE COST OF BEARING SEAT.

BEARINGS SHALL BE LOW TEMPERATURE GRADE 3 WITH A SHEAR MODULUS BETWEEN 95 PSI AND 130 PSI AND SHALL BE SUBJECTED TO LOAD TESTING REQUIREMENTS CORRESPONDING TO DESIGN METHOD B.

THE COST OF BEARING SEAT.

BEARINGS SHALL BE LOW TEMPERATURE GRADE 3 WITH A SHEAR MODULUS BETWEEN 95 PSI AND 130 PSI AND SHALL BE SUBJECTED TO LOAD TESTING REQUIREMENTS CORRESPONDING TO DESIGN METHOD B.

MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR THE CLASS CONCRETE BEING PLACED.

SECTIONS 511 AND 826 OF THE SPECIFICATIONS. THE COST OF THIS WORK, INCLUDING ALL LABOR, TOOLS AND MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR THE CLASS CONCRETE BEING PLACED.

WITH A TWO-COMPONENT EPOXY RESIN SYSTEM CONFORMING TO SECTIONS 511 AND 826 OF THE SPECIFICATIONS. THE COST OF THIS WORK, INCLUDING ALL LABOR, TOOLS AND MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR THE CLASS CONCRETE BEING PLACED.

SHORING, EXCAVATIONS, BACK FILLING, REMOVAL OF ALL OR PARTS OF THE EXISTING STRUCTURES, PHASE CONSTRUCTION, INCIDENTAL MATERIALS, LABOR OR ANYTHING ELSE REQUIRED TO COMPLETE THE STRUCTURE.

THIS ESTIMATE AND BID APPROPRIATELY. NO PAY ADJUSTMENTS WILL BE MADE IF THE ACTUAL QUANTITY IS DIFFERENT THAN THE ESTIMATE.

THE CONTRACTOR IS ADVISED OF THE UNDERGROUND FACILITIES PRIOR TO SUBMITTING A BID AND SHALL BE RESPONSIBLE FOR LOCATING ANY UTILITIES ON THIS PROJECT. ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO CONSTRUCTION, ANY UTILITIES DAMAGED OR BRING A VALE OF TWO WORKING DAYS PRIOR TO CONSTRUCTION FOR INFORMATION ON THE LOCATION OF SAME IS NOT NECESSARY UNDERGROUND UTILITIES.

REDUNDANCY OF MATERIALS AND REMOVES REMOVES FROM THE PROJECTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ELASTOMERIC BEARING PADS: ELASTOMERIC BEARING PADS SHALL CONFORM TO THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS,

STEEL REINFORCEMENT

CONCRETE CLASS 'M1' OR 'M2'

- F'c = 4,000 PSI

CONCRETE CLASS 'AA'

- F'c = 3,500 PSI

- MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR 'REMOVE SUPERSTRUCTURE'.

STORAGE, DESTRUCTION, BACK FILLING, REMOVAL OF ALL OR PARTS OF THE EXISTING STRUCTURES, PHASE CONSTRUCTION, INCIDENTAL MATERIALS, LABOR OR ANYTHING ELSE REQUIRED TO COMPLETE THE STRUCTURE.

THIS ESTIMATE AND BID APPROPRIATELY. NO PAY ADJUSTMENTS WILL BE MADE IF THE ACTUAL QUANTITY IS DIFFERENT THAN THE ESTIMATE.

PILLS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR PRECAST PC BOX BEAM AND NO SEPARATE MEASUREMENT OF PAYMENT SHALL BE MADE.

TAPING A MINIMUM OF 6" AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH THE OVERLAP RUNNING DOWNHILL.

OR APPROVED EQUAL.

CADILLOC BY THE UP RUBBER CO. INC.

EZ-WRAP RUBBER BY PRESS-SEAL CASKET CORPORATION,

MASTIC TAPE SHALL BE EITHER:

9" ON EACH SIDE OF THE JOINT.

Mastic Tape: Mastic tape used to seal joints is to meet the requirements of ASTM C-877 TYPE I, II, OR III. The joint is to be suitably filled with mastic in accordance with section 826 of the standard specifications for reinforced concrete.

BEVEL EDGES: BEVEL ALL EXPOSED EDGES 3/4", UNLESS OTHERWISE NOTED.

DIMENSIONS: DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 60 DEGREES FAHRENHEIT. LAYOUT DIMENSIONS ARE HORIZONTAL AND SHALL BE REMOVED FROM THE RIGHT-OF-WAY.

DISPOSAL OF MATERIALS: ALL MATERIALS AND DEBRIS REMOVED FROM THE PROJECTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

BEARING SEAT: USE CLASS 'M' CONCRETE FOR PATCHING.

CONCRETE: USE CLASS "AA" CONCRETE THROUGHOUT THE BRIDGE ABOVE THE BEARING SEAT. USE CLASS 'A' CONCRETE BELOW THE BEARING SEAT.

REINFORCEMENT: DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE TO CENTER OF BARS UNLESS OTHERWISE SHOWN.

BEARING SEAT.

EPOXY COAT ALL BARS IN ACCORDANCE WITH SECTION 811.10 OF THE STANDARD SPECIFICATIONS FOR REINFORCEMENT ABOVE THE BEARING SEAT.

PADS IS TO BE INCLUDED IN THE UNIT PRICE PER LINEAR FEET FOR PRECAST BEAMS.

THE COST OF BEARING SEAT.

BEARINGS SHALL BE LOW TEMPERATURE GRADE 3 WITH A SHEAR MODULUS BETWEEN 95 PSI AND 130 PSI AND SHALL BE SUBJECTED TO LOAD TESTING REQUIREMENTS CORRESPONDING TO DESIGN METHOD B.

THE COST OF BEARING SEAT.

BEARINGS SHALL BE LOW TEMPERATURE GRADE 3 WITH A SHEAR MODULUS BETWEEN 95 PSI AND 130 PSI AND SHALL BE SUBJECTED TO LOAD TESTING REQUIREMENTS CORRESPONDING TO DESIGN METHOD B.

MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR THE CLASS CONCRETE BEING PLACED.

SECTIONS 511 AND 826 OF THE SPECIFICATIONS. THE COST OF THIS WORK, INCLUDING ALL LABOR, TOOLS AND MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR THE CLASS CONCRETE BEING PLACED.

WITH A TWO-COMPONENT EPOXY RESIN SYSTEM CONFORMING TO SECTIONS 511 AND 826 OF THE SPECIFICATIONS. THE COST OF THIS WORK, INCLUDING ALL LABOR, TOOLS AND MATERIALS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR THE CLASS CONCRETE BEING PLACED.

SHORING, EXCAVATIONS, BACK FILLING, REMOVAL OF ALL OR PARTS OF THE EXISTING STRUCTURES, PHASE CONSTRUCTION, INCIDENTAL MATERIALS, LABOR OR ANYTHING ELSE REQUIRED TO COMPLETE THE STRUCTURE.

THIS ESTIMATE AND BID APPROPRIATELY. NO PAY ADJUSTMENTS WILL BE MADE IF THE ACTUAL QUANTITY IS DIFFERENT THAN THE ESTIMATE.

PILLS IS TO INCIDENTAL TO THE UNIT PRICE BID FOR 'REMOVE SUPERSTRUCTURE'.

STORAGE, DESTRUCTION, BACK FILLING, REMOVAL OF ALL OR PARTS OF THE EXISTING STRUCTURES, PHASE CONSTRUCTION, INCIDENTAL MATERIALS, LABOR OR ANYTHING ELSE REQUIRED TO COMPLETE THE STRUCTURE.

THIS ESTIMATE AND BID APPROPRIATELY. NO PAY ADJUSTMENTS WILL BE MADE IF THE ACTUAL QUANTITY IS DIFFERENT THAN THE ESTIMATE.
APPROX. ROCK LINE

EXISTING END BENT 2
EXISTING END BENT 1
EXISTING PIER 1
EXISTING PIER 2
APPROX. EXISTING GROUND LINE
EL 848.00
EXT HW
NORMAL WATER

ELEVATION
FIELD VERIFY ALL DIMENSIONS
REMARKS ONLY IF BENDING UPWARD

NOTES:
(SEE NOTE 1)
PLACE GEOTEXTILE FABRIC TYPE I
INSTALL TYPE II RAILING
(SEE SHEET S04 FOR EXTENTS)
PLACE CYCLOPEAN STONE RIPRAP
STD DWG BJE-001-013
INSTALL ARMORED EDGE, SEE
STD DWG BJE-001-013
INSTALL ARMORED EDGE, SEE

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

MAGOFFIN
KY 30
LICKING RIVER

ELEVATION
BREIDGE NUMBER
077B00059N

APPROX. ROCK LINE

EXISTING END BENT 2
EXISTING END BENT 1
EXISTING PIER 1
EXISTING PIER 2
APPROX. EXISTING GROUND LINE
EL 848.00
EXT HW
NORMAL WATER

ELEVATION
FIELD VERIFY ALL DIMENSIONS
REMARKS ONLY IF BENDING UPWARD

NOTES:
(SEE NOTE 1)
PLACE GEOTEXTILE FABRIC TYPE I
INSTALL TYPE II RAILING
(SEE SHEET S04 FOR EXTENTS)
PLACE CYCLOPEAN STONE RIPRAP
STD DWG BJE-001-013
INSTALL ARMORED EDGE, SEE
STD DWG BJE-001-013
INSTALL ARMORED EDGE, SEE
NOTES:

1. INSTALL TYPE II TRANSITION RAILING AND GUARDRAIL END TREATMENTS PER EXISTING PLANS. ALL WORK SHALL BE INCIDENTAL TO THE BID ITEM FOR "GUARDRAIL TERMINAL END SECTION NO 1".

2. GUARDRAIL TERMINAL END SECTION NO 1, INSTALL 25'-0" TRANSITION FOLLOWED BY 12'-6" OF GUARDRAIL TYPE II AS STANDARD DRAWINGS BDP-005-05 AND RBR-010-06. AT EAST END OF THE BRIDGE, INSTALL TYPE II TRANSITION PER ACTIVE SEPIA 024, 027, 028, AND 035, AS WELL AS TRANSITION GUARDRAIL DELINEATORS PER ACTIVE SEPIAS 032. GUARDRAIL DELINEATORS SHALL BE INCIDENTAL TO THE BID ITEM FOR "UTILITY POLE BE DE-ENERGIZED OVERHEAD UTILITY TO".

3. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

4. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL 25'-0" TRANSITION FOLLOWED BY 12'-6" OF GUARDRAIL TYPE II AS STANDARD DRAWINGS BDP-005-05 AND RBR-010-06. AT EAST END OF THE BRIDGE, INSTALL 25'-0" TRANSITION FOLLOWED BY 12'-6" OF GUARDRAIL TYPE II AS STANDARD DRAWINGS BDP-005-05 AND RBR-010-06. AT EAST END OF THE BRIDGE, INSTALL TYPE II TRANSITION PER ACTIVE SEPIA 024, 027, 028, AND 035, AS WELL AS TRANSITION GUARDRAIL DELINEATORS PER ACTIVE SEPIAS 032. GUARDRAIL DELINEATORS SHALL BE INCIDENTAL TO THE BID ITEM FOR "UTILITY POLE BE DE-ENERGIZED OVERHEAD UTILITY TO".

5. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

6. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

7. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

8. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

9. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

10. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

11. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

12. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

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41. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.

42. GUARDRAIL TERMINAL END SECTION NO 1 INSTALL TYPE II TRANSITION RAILINGS, TRANSITION RAILINGS AND GUARDRAIL BEND GUARDRAIL SECTION IN SHOP. FIELD VERIFY DIMENSIONS SHOWN.
TYPICAL SECTION - EXISTING (SPANS 1 & 3)

TYPICAL SECTION - PROPOSED (SPANS 1 & 3)

TYPICAL SECTION - EXISTING (SPAN 2)

TYPICAL SECTION - PROPOSED (SPAN 2)

NOTES:
1. BOX BEAMS SHALL BE INSTALLED AS SHOWN AND AS COMPLIANCE WITH STANDARD DRAWINGS BDP-001-05, BDP-002-03, BDP-003-03, BDP-004-03 AND BDP-005-06.
2. BOX BEAMS SHALL BE FABRICATED IN ACCORDANCE WITH STANDARD DRAWINGS BDP-009-04 AND BDP-010-04.
3. BOX BEAM NOTES:
   (1) SEE DETAIL A
   (2) TYPE 5 BAR
   (3) #5 EPOXY BARS
   (4) LONGITUDINAL REINFORCEMENT TO BE BENT WITH THE TOP OF THE DECK.
   (5) CONCRETE COATING (TYP)
4. LONGITUDINAL REINFORCEMENT TO BE DRILLED VERTICAL TO THE SURFACE OF THE BEAM.
5. BOX BEAM REINFORCEMENT TO BE LAPPED A MINIMUM 4" OF BRIDGE EDGE AND 5.75" AT CENTERLINE.
6. BOX BEAMS AND COMPOSITE DECK.
7. REPLACE EXISTING BEAMS WITH (8) PRECAST BOX BEAMS.
8. Type 5 beam may vary.
9. CONCRETE COATING (TYP)
10. NON-METALLIC SPACER DIMENSION (APPROX) TAKEN AT LATERAL TENSION RODS AFTER THE SLAB HAS CURED.
11. PERFORM A FINAL TENSION TO THE LATERAL TENSION RODS AFTER THE SLAB HAS CURED.
12. LATERAL TENSION RODS SNUG TIGHT PRIOR TO PLACING THE SLAB.
13. APPROXIMATE SLOPE, EXISTING CONDITIONS MAY VARY.
14. ADJUST LENGTH AS NEEDED.
15. CONCRETE COATING TO PROPOSED SUPERSTRUCTURE, PER SPECIAL NOTE.
NOTES:
1. EPOXY INJECTION CRACK REPAIR = 5 L.F. APPROX.
2. EPOXY INJECTION CRACK REPAIR = 5 L.F. APPROX.
3. CONCRETE PATCHING REPAIR = 5 S.F. (APPROX.)
4. CONCRETE PATCHING REPAIR = 5 S.F. (APPROX.)

CONCRETE PATCHING REPAIR

CONSTRUCTION NOTES

1. FOR READING PLACEMENT SEE SECTION AT SHEET 501
2. INSTALL BEARING PADS ON AND BETWEEN ACCORDANCE WITH STANDARD DRAWING BDP-002-03. SET PADS AND CORK IN ACCORDANCE WITH STANDARD DRAWING BDP-003-02. SET PADS AND CORK IN ACORDANCE WITH STANDARD DRAWING BDP-003-02.
3. CONSTRUCTION SHALL OBTAIN CONCRETE PADS OVER CENTER PORTION OF PIER SPOOL FOR BEAM REPLACEMENT.
4. CONSTRUCTION SHALL OBTAIN CONCRETE PADS OVER CENTER PORTION OF PIER SPOOL FOR BEAM REPLACEMENT.

HOLD FOR FILM-RECORD, SEE SECTION AT SHEET 501.

ELEVATION - PIER 1
LOOKING AHEAD STATION
FIELD VERIFY ALL DIMENSIONS

ELEVATION - PIER 1
LOOKING BACK STATION
FIELD VERIFY ALL DIMENSIONS

NOTES:
1. CONCRETE PATCHING REPAIR = 5 S.F. APPROX.
2. CONCRETE PATCHING REPAIR = 5 S.F. APPROX.
3. CONCRETE PATCHING REPAIR = 5 S.F. APPROX.
4. CONCRETE PATCHING REPAIR = 5 S.F. APPROX.

CONSTRUCTION NOTES

1. FOR READING PLACEMENT SEE SECTION AT SHEET 501
2. INSTALL BEARING PADS ON AND BETWEEN ACCORDANCE WITH STANDARD DRAWING BDP-002-03. SET PADS AND CORK IN ACCORDANCE WITH STANDARD DRAWING BDP-003-02.
3. CONSTRUCTION SHALL OBTAIN CONCRETE PADS OVER CENTER PORTION OF PIER SPOOL FOR BEAM REPLACEMENT.
4. CONSTRUCTION SHALL OBTAIN CONCRETE PADS OVER CENTER PORTION OF PIER SPOOL FOR BEAM REPLACEMENT.
ELEVATION – PIER 2

NOTES:

1. CONCRETE PAVING REPAIR = 100 S.F. (APPROX.)
   EPOXY INJECTION CRACK REPAIR = 0 L.F. (APPROX.)

2. CONCRETE PAVING REPAIR = 18 S.F. (APPROX.)
   EPOXY INJECTION CRACK REPAIR = 10 L.F. (APPROX.)

3. AFTER CONCRETE REPAIR WORK, APPLY CONCRETE COATING TO VISIBLE PORTION OF THE SUBSTRUCTURE UNITS, PER SPECIAL NOTE.

4. CONTRACTOR SHALL GRIND CONCRETE FLAT OVER CENTER 8'-0" OF BRIDGE SEAT FOR BEAM REPLACEMENT.

ELEVATION – PIER 2

NOTES:

1. CONCRETE PAVING REPAIR = 100 S.F. (APPROX.)
   EPOXY INJECTION CRACK REPAIR = 0 L.F. (APPROX.)

2. CONCRETE PAVING REPAIR = 18 S.F. (APPROX.)
   EPOXY INJECTION CRACK REPAIR = 10 L.F. (APPROX.)

3. AFTER CONCRETE REPAIR WORK, APPLY CONCRETE COATING TO VISIBLE PORTION OF THE SUBSTRUCTURE UNITS, PER SPECIAL NOTE.

4. CONTRACTOR SHALL GRIND CONCRETE FLAT OVER CENTER 8'-0" OF BRIDGE SEAT FOR BEAM REPLACEMENT.