ABUTMENT CONCRETE TEXTURE NOTES:

THE WORK CONSISTS OF APPLYING TEXTURED FINISHES ON ALL DESIGNATED CONCRETE SURFACES OF THE ABUTMENTS SHOWN IN THIS PLAN. SEE 'GENERAL NOTES FOR TEXTURED CONCRETE FORM LINERS' ON DESIGN SHEET 4 FOR MORE INFORMATION REGARDING THE USE OF FORM LINERS. THE TEXTURED CONCRETE MOCKUP PANEL DETAILED AND PAID FOR AS PART OF DESIGN NO. 120 OF THIS PROJECT MUST BE REVIEWED AND APPROVED BY THE ENGINEER BEFORE BEGINNING PRODUCTION CONCRETE WORK THAT INCLUDES TEXTURE.

THE FORM LINER USED TO PRODUCE TEXTURE 'A' AS SHOWN IN THE PLAN DETAILS SHALL PRODUCE A TEXTURED EFFECT OF ALTERNATING 10-INCH AND 4-INCH TALL COURSES OF CUT STONE IN RANDOM LENGTHS WITH SIMULATED MORTER JOINTS. DEPTH OF TEXTURE SHALL BE 0.3125 INCH.

OBTAIN TEXTURE 'A' FORM LINER MATERIALS FROM ONE OF THE FOLLOWING MANUFACTURERS:

1. CUSTOM ROCK INTERNATIONAL (PATTERN NO. 12008)
2. FITZGERALD FORMLINERS (PATTERN NO. 17003)
3. SUBMIT ALL OTHER MANUFACTURES AND PATTERNS INCLUDING A 1 FOOT BY 1 FOOT SAMPLE OF PROPOSED FORM LINER TO THE IOWA DEPARTMENT OF TRANSPORTATION, OFFICE OF BRIDGES AND STRUCTURES, AMES, IOWA. SAMPLE MAY BE EITHER ACTUAL FORM LINER MATERIALS OR FOAM CASTINGS. NO SAMPLES ARE REQUIRED TO BE SUMITTED FOR MANUFACTURERS AND PATTERNS LISTED ABOVE.

THE FORM LINER USED TO PRODUCE TEXTURE 'B' AS SHOWN IN THE PLAN DETAILS SHALL PRODUCE A TEXTURED EFFECT OF A REALISTIC FRACTURED ROCK FACE WITH NO SIMULATED MASONRY JOINTS. DEPTH OF TEXTURE SHALL BE 1 INCH.

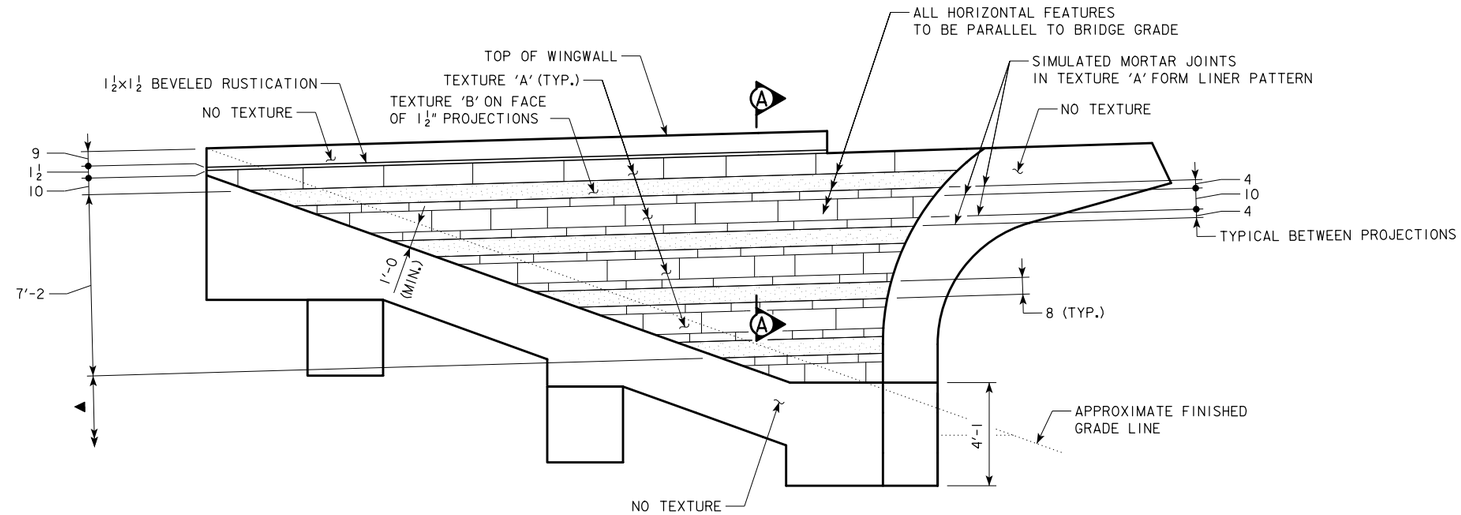
OBTAIN TEXTURE 'B' FORM LINER MATERIALS FROM ONE OF THE FOLLOWING MANUFACTURERS:

1. CUSTOM ROCK INTERNATIONAL (PATTERN NO. T325)
2. FITZGERALD FORMLINERS (PATTERN NO. 17030)
3. SUBMIT ALL OTHER MANUFACTURERS AND PATTERNS INCLUDING A 1 FOOT BY 1 FOOT SAMPLE OF PROPOSED FORM LINER TO THE IOWA DEPARTMENT OF TRANSPORTATION, OFFICE OF BRIDGES AND STRUCTURES, AMES, IOWA. SAMPLE MAY BE EITHER ACTUAL FORM LINER MATERIALS OR FOAM CASTINGS. NO SAMPLES ARE REQUIRED TO BE SUBMITTED FOR MANUFACTURERS AND PATTERNS LISTED ABOVE.

PRIOR TO BEGINNING ANY PRODUCTION CONCRETE WORK THAT INCLUDES TEXTURE, SUBMIT MANUFACTURER'S CUT SHEETS FOR FORM LINERS.

THE ABUTMENT SURFACES AS DESIGNATED IN THE PLANS SHALL ALSO RECEIVE CONCRETE RUSTICATION. SEE 'GENERAL NOTES FOR CONCRETE RUSTICATION' ON DESIGN SHEET 4 FOR MORE INFORMATION REGARDING APPROVED TECHNIQUES AND METHODS OF CONCRETE RUSTICATION.

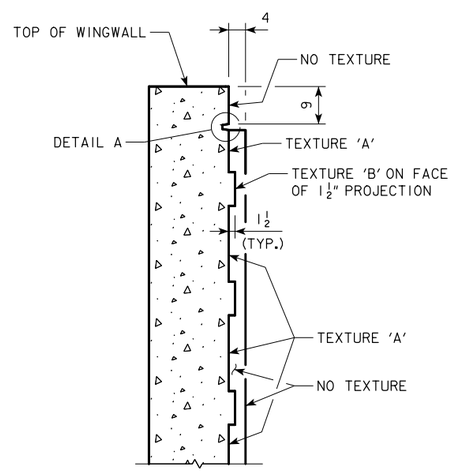
ALL COSTS ASSOCIATED WITH CONCRETE TEXTURES AND FORM LINERS AT THE ABUTMENTS SHALL BE INCLUDED IN THE BID ITEM, "HIGH PERFORMANCE STRUCTURAL CONCRETE".



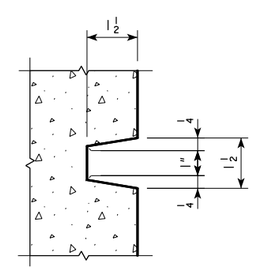
▲ CONTINUE TEXTURE 'A' PATTERN TO TOP OF ABUTMENT FOOTING.

ABUTMENT SIDE ELEVATION

(EAST WINGWALL SHOWN, WEST WINGWALL SIMILAR)
(BARRIER RAIL NOT SHOWN)



PART SECTION A-A



DETAIL A

DESIGN FOR 0° SKEW ON 3,300' RADIUS CURVE

566'-6 X VARIES CONTINUOUS WELDED GIRDER BRIDGE

171'-0, 226'-0, 169'-6 SPANS

ABUTMENT AESTHETIC DETAILS

STA. 2543+48.27 (℄ RAMP B) APRIL 2018

JOHNSON COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. 12 OF 31 FILE NO. 30864 DESIGN NO. 420