400'-0" ± * REMOVE AND REPLACE 20"TUBULAR STEEL BEAM GUARDRAIL & OFFSET TUBES © JOINT — @ BENT 1 O JOINT @ BENT 2 └──3″Ø DECK DRAIN — 20" TUBULAR STEEL BEAM (TYP.) GUARDRAIL LINE (TYP.) ℚ BEAM (TYP.) B B ROADWAY) TO US 25 ♠ BRIDGE —

¬ EAR — GUTTER LINE 71'-2^{||}/₁₆"* (SPAN B) 385'-0" ± * REMOVE AND REPLACE 20"TUBULAR STEEL BEAM GUARDRAIL & OFFSET TUBES

SPAN B

* DIMENSIONS MEASURED ALONG ARC

NOTES:

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 1%6'' PER THE EXISTING BRIDGE PLANS.

- FOR SECTION B-B, SEE "JOINT DETAILS" SHEET.
- FOR FINE MILLING, SEE SPECIAL PROVISIONS.

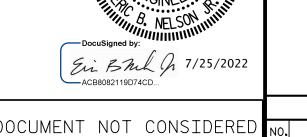
THE CONTRACTOR SHALL REMOVE AND REPLACE THE 20"TUBULAR STEEL BEAM GUARDRAIL. THE ENGINEER WILL SELECT THOSE SECTIONS OF THE EXISTING GUARDRAIL SUITABLE FOR FUTURE USE AND TRANSPORT THEM TO A STOCKPILE FOR THE USE OF THE DEPARTMENT. THE REMAINING GUARDRAIL SECTIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT.

FOR DIMENSIONS OF TUBULAR BEAM GUARDRAIL, POSTS AND TUBES, SEE "TUBULAR BEAM GUARDRAIL DETAILS" SHEET.

_ DATE : <u>6/2022</u> M. LEE/J. MYA DRAWN BY : _ DATE : <u>6/2022</u> J. YANNACCONE CHECKED BY : _



One Glenwood Avenue Raleigh, NC 27603 919-420-7660 NC L1c.No. F-0270



ADDITIONAL DEMOLITION REQUIRED FOLLOWING HYDRO-DEMOLITION OF THE BRIDGE DECK. SEE "OVERLAY SURFACE PREPARATION" SPECIAL PROVISION. BRIDGE JOINT DEMOLITION APPROX.CLASS II SURFACE PREPARATION APPROX. CLASS III SURFACE PREPARATION UNDERSIDE OF DECK/OVERHANG REPAIR ERI EPOXY RESIN INJECTION

REPAIR QUANTITY TABLE

TOP OF DECK REPAIR

FINE MILLING

PREPARATION

PREPARATION

- VES OVERLAY

BRIDGE JOINT

DEMOLITION

FLOORS

HYDRO-DEMOLITION

CLASS II SURFACE

CLASS III SURFACE

LATEX MODIFIED CONCRETE

PLACING & FINISHING

LMC - VES OVERLAY

GROOVING BRIDGE

UNDERSIDE OF DECK

OVERHANG DIAPHRAGMS

INTERIOR DIAPHRAGMS

UNDERSIDE OF OVERHANG

UNDERSIDE EPOXY RESIN

INJECTION

OF BRIDGE DECK

ESTIMATE ACTUAL

312 SY

312 SY

0.0 SY

0.0 SY

23.3 CY

312 SY

41 SF

ESTIMATE ACTUAL

CF

0.0

0.0

0.0

0.0

ACTUAL

COUNTY

2649 SF

UNDERSIDE OF DECK REPAIR

SHOTCRETE REPAIRS AREA VOLUME AREA VOLUME

VALUES IN CHART REPRESENT ESTIMATED UNDERSIDE OF

CONCRETE, MINIMUM OF 1"BEHIND REBAR AND MINIMUM

DECK REPAIR TOTALS AFTER REMOVAL OF UNSOUND

2"CLEAR TO SAWCUT. FOR REPAIR DETAILS, SEE "OVERHANG UNDERSIDE REPAIR DETAILS" SHEET.

PAYMENT FOR CLASS II AND CLASS III SURFACE

PREPARATION IS BASED ON THE SQUARE YARDS OF

0.0

0.0

0.0

0.0

ESTIMATE

0.0 LF

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

100344

PROJECT NO. I-5889B

BUNCOMBE

PLAN OF SPANS SPAN B

SHEET NO. REVISIONS S3-5 DATE: BY: DATE: FINAL UNLESS ALL SIGNATURES COMPLETED

BRIDGE NO. _

SHEET 2 OF 5

020208 WGINEE?