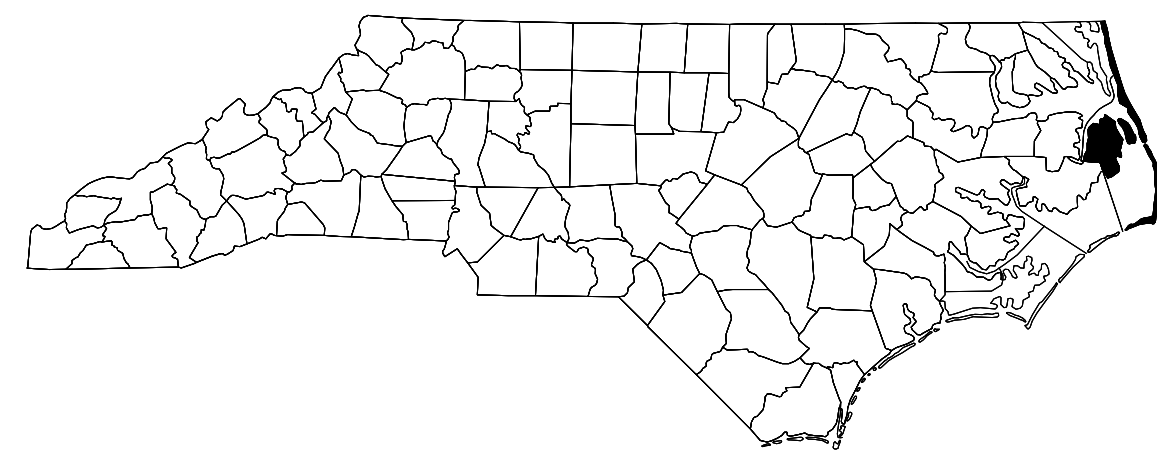


PROJECT: HB-0017

CONTRACT NO: C204775



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DARE COUNTY

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | HB-0017 | 1A | 355 |
| STATE PROJ. NO. | F. A. PROJ. NO. | DESCRIPTION | |
| 50346.1.1 | - | P.E. | |
| 50346.3.1 | 0064216 | CONST. | |
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| | | | |

LOCATION: DARE COUNTY:

BRIDGE #270009 ON US 64 OVER CROATAN SOUND

TYPE OF WORK: BRIDGE REHABILITATION - REPLACEMENT OF FINGER JOINTS AND STANDARD JOINTS, DECK CRACK SEALING, METHYL METHACRYLATE (MMA) DECK OVERLAY, SHOTCRETE REPAIRS TO SUPERSTRUCTURE AND SUBSTRUCTURE, PILE FOOTING RESTORATION, CONCRETE PILE RESTORATION AND PILE FRP PROTECTIVE SYSTEM.

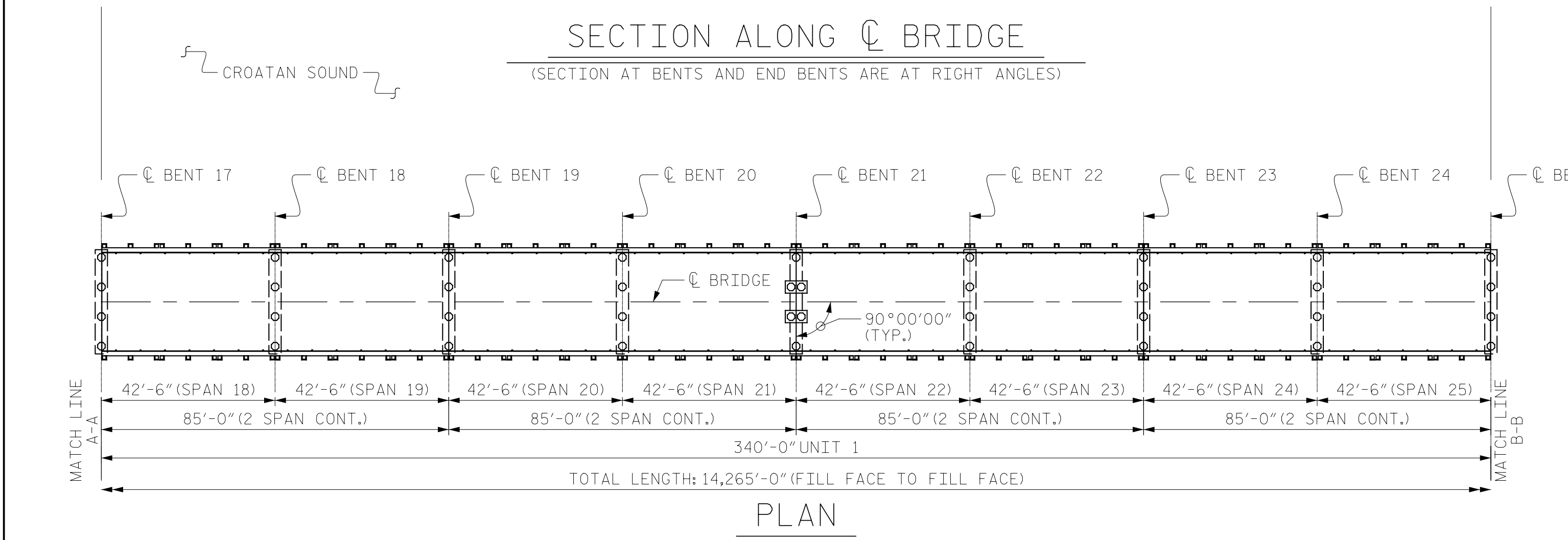
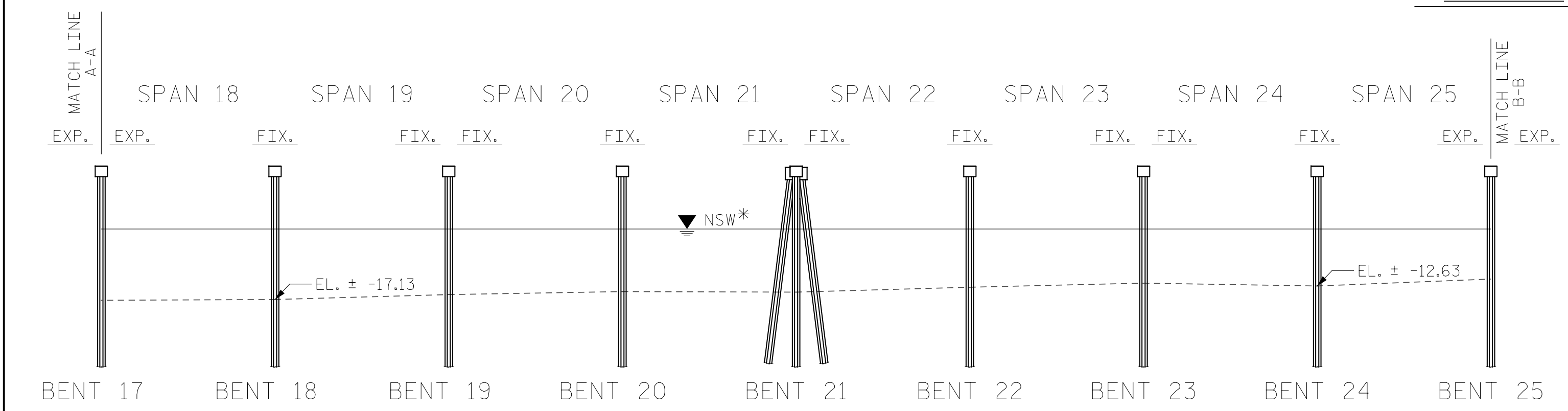
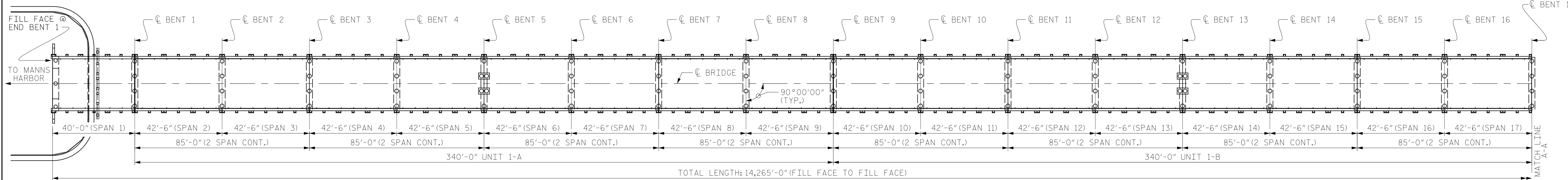
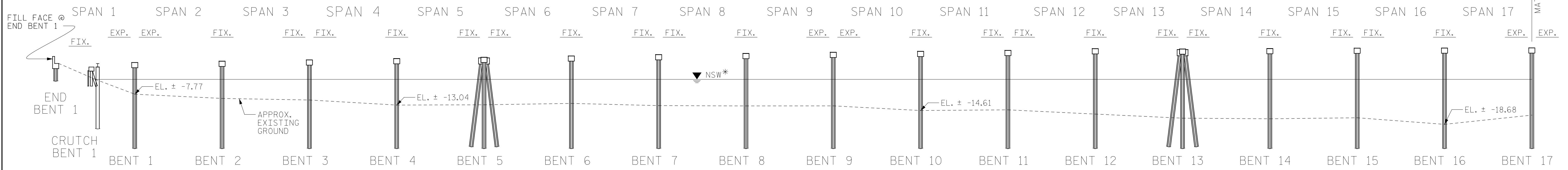
SHEET NO.

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1A
S-1 THRU S-14
S-15
S-16
S-17 THRU S-106
S-107 THRU S-111
S-112
S-113
S-114
S-115 THRU S-325
S-326 THRU S-327
S-328
S-329
S-330 THRU S-333
S-334 THRU S-354
S-355
SN

DESCRIPTION

TITLE SHEET
INDEX OF SHEETS
GENERAL DRAWING - PLAN AND ELEVATION
GENERAL DRAWING - TOTAL BILL OF MATERIAL
TYPICAL SECTION
SURFACE PREPARATION & UNDERDECK REPAIRS
FINGER JOINT REPLACEMENT
JOINT DETAILS
BRIDGE APPROACH AT END BENT 1
ROADWAY APPROACH MILL/PAVE DETAIL
SUBSTRUCTURE REPAIRS
TYPICAL CAP, COLUMN & UNDERDECK REPAIR DETAILS
PILE CONCRETE RESTORATION DETAILS
PILE FRP PROTECTIVE SYSTEM DETAILS
PILE REPAIR SPLICE & JACK
PILE FOOTING RESTORATION
JACKING DETAILS
STANDARD NOTES

EL. 0.4'
* FROM ORIGINAL
PLANS (NAD 29)



SCOPE OF WORK

- REPLACEMENT OF FINGER PLATE EXPANSION JOINTS
- REPLACEMENT OF STANDARD BRIDGE DECK JOINTS
- BRIDGE DECK CRACK PRETREATMENT AND SEALING
- BRIDGE DECK OVERLAY WITH MMA OVERLAY SYSTEM
- SHOTCRETE REPAIRS TO UNDERDECK, CAPS, COLUMNS, AND STRAP FOOTINGS AT BENTS 116-120
- PILE CONCRETE RESTORATION AT PILE BENTS
- PILE FRP PROTECTIVE SYSTEM AT PILE BENTS AND COLUMN BENTS
- PILE FOOTING RESTORATION AT COLUMN BENTS
- PILE SPLICING AND PRELOADING AT BENT 114
- PILE JACKETING AT BENTS 114 AND 119

LIMITS OF REPAIR

LIMITS OF REPAIR SHOWN IN THE PLANS ARE BASED ON A FIELD INSPECTION OF THE BRIDGE. DUE TO THE TIME SINCE FIELD INSPECTION, NOTED DEFICIENT AREAS MAY HAVE INCREASED AND/OR NEW DEFICIENT AREAS MAY BE PRESENT. CONTRACTOR SHALL NOTIFY THE ENGINEER OF SIGNIFICANT CHANGES OF ACTUAL VERSUS PLANNED REPAIR AREAS.

CONSTRUCTION SEQUENCE

FOR BENTS REQUIRING BRIDGE JACKING TO REPAIR CONCRETE AT BEARINGS, COMPLETE ALL JACKING OPERATIONS PRIOR TO BEGINNING JOINT WORK AT THE BENTS OR DECK OVERLAYS IN ADJACENT SPANS.

NOTES

- PROFILE INFORMATION IS TAKEN FROM THE ORIGINAL PLANS AND BRIDGE INSPECTION REPORTS.
- NORMAL WATER SURFACE ELEVATION IS TAKEN FROM ORIGINAL BRIDGEPLANS
- BED ELEVATIONS ARE TAKEN FROM THE 2017 BRIDGE INSPECTION REPORT
- FOOTING DIMENSIONS FOR BENT 116 THRU 120 ARE BASED ON FIELD MEASUREMENTS. ALL OTHER SHOWN DIMENSIONS ARE BASED UPON ORIGINAL BRIDGE PLANS AND BRIDGE INSPECTION REPORTS.

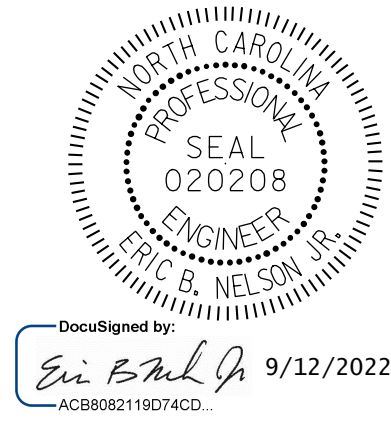
MISCELLANEOUS NOTES

THE CONTRACTOR IS REQUIRED TO SUBMIT JACKING PLANS AND CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO BRIDGE JACKING.

PROJECT NO. HB-0017
DARE COUNTY
BRIDGE NO. 270009

I HEREBY CERTIFY THAT THIS STRUCTURE WAS REHABILITATED ACCORDING TO THESE PLANS OR AS NOTED HEREIN.

RESIDENT ENGINEER _____ DATE _____



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
BRIDGE #270009 ON US 64
OVER CROATAN SOUND

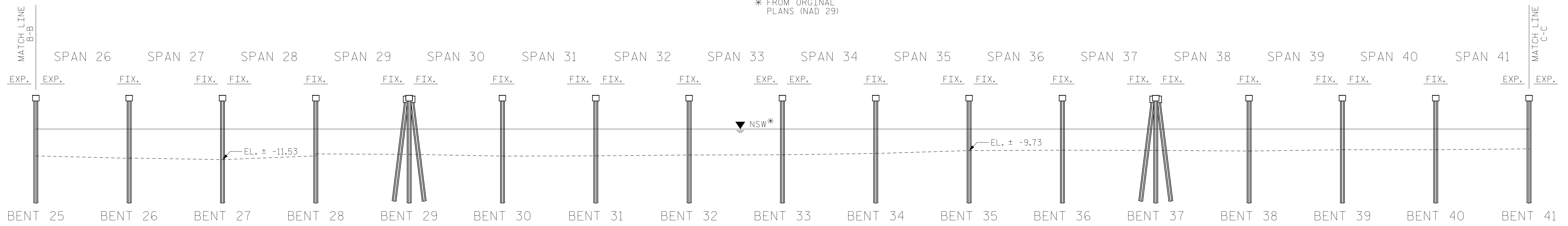
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CHECKED BY: R.WERTMAN DATE: 3/2019



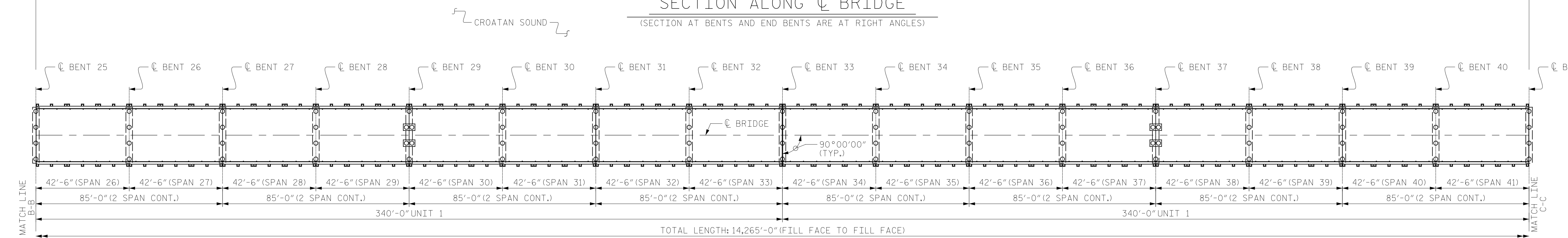
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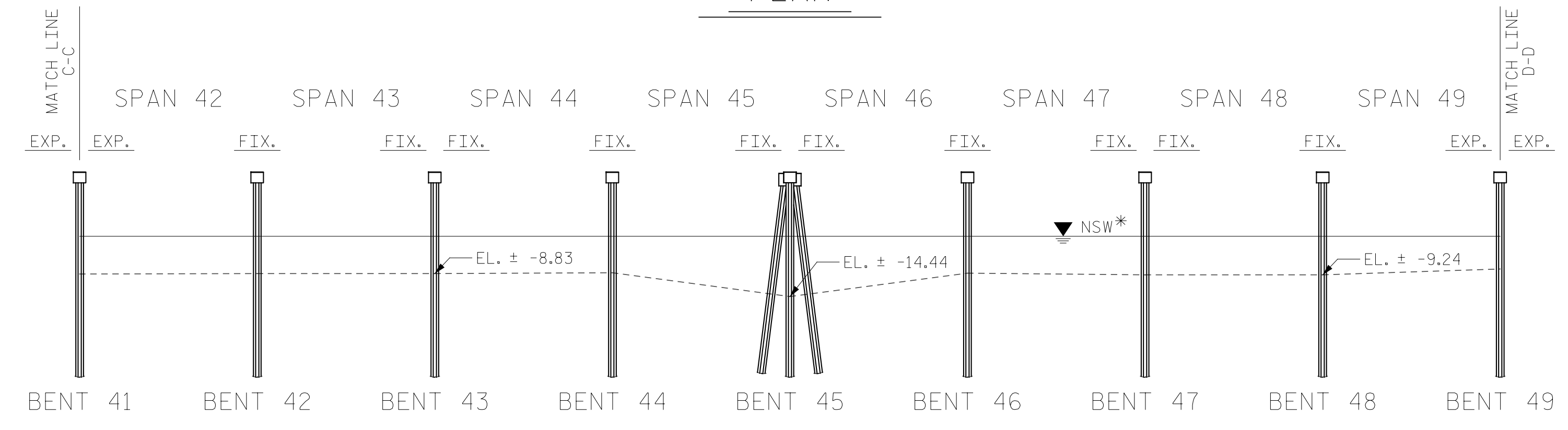
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* FROM ORIGINAL
PLANS (NAD 29)



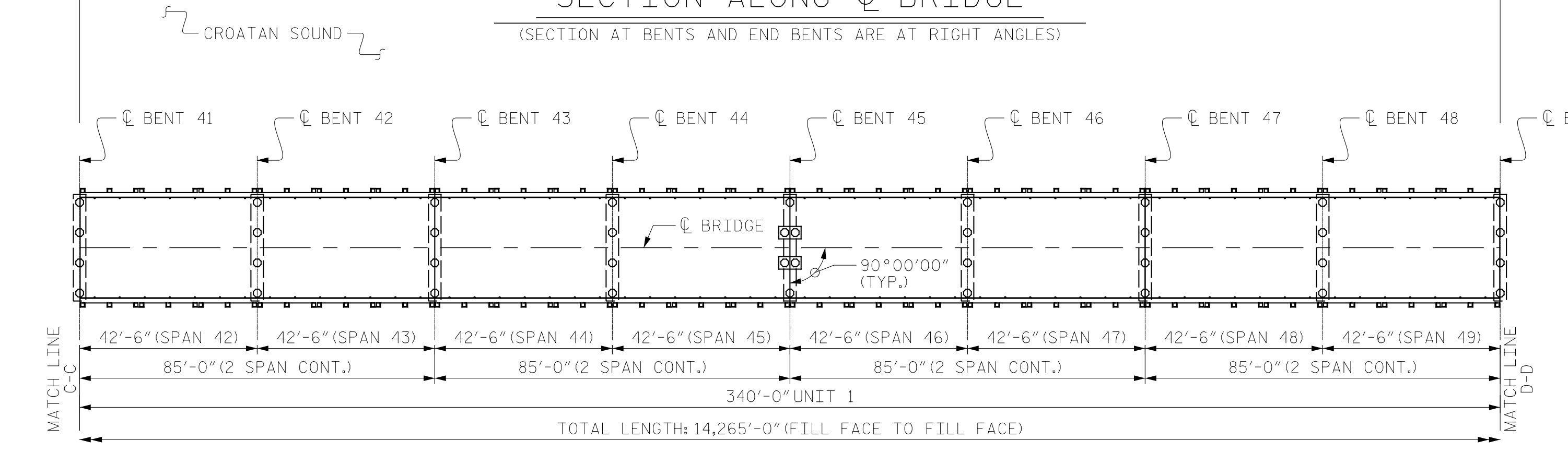
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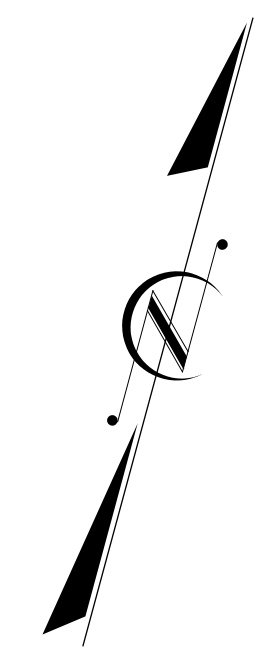
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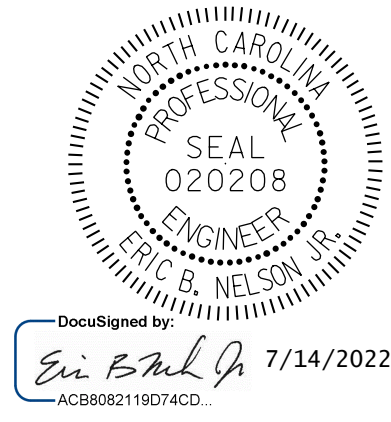
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PROJECT NO. HB-0017
DARE COUNTY
BRIDGE NO. 270009

SHEET 2 OF 15

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
BRIDGE #270009 ON US 64
OVER CROATAN SOUND



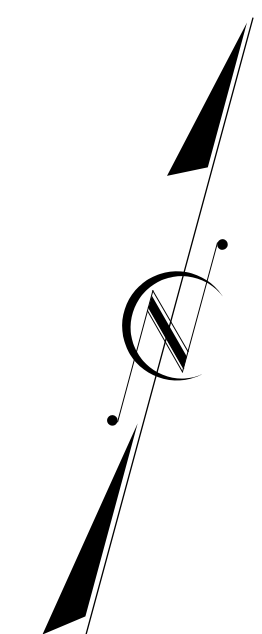
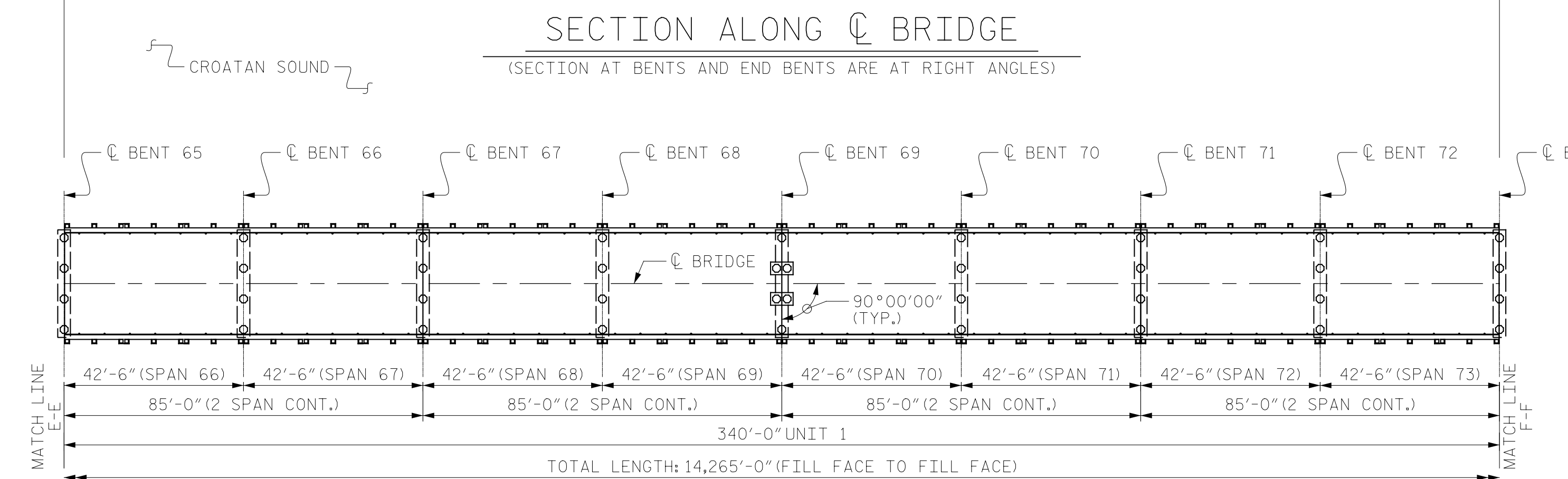
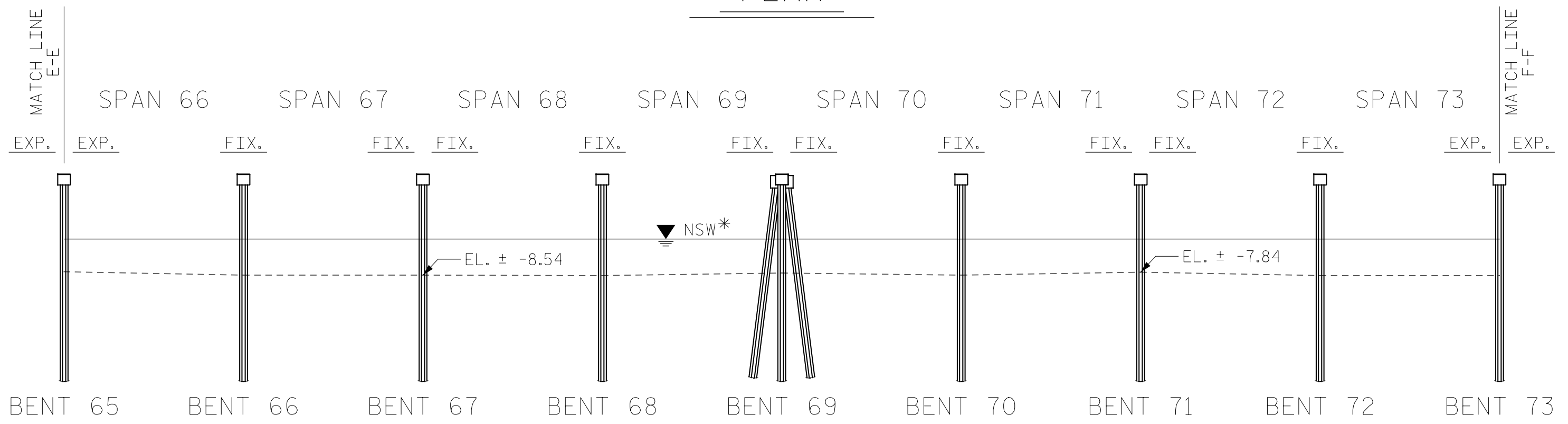
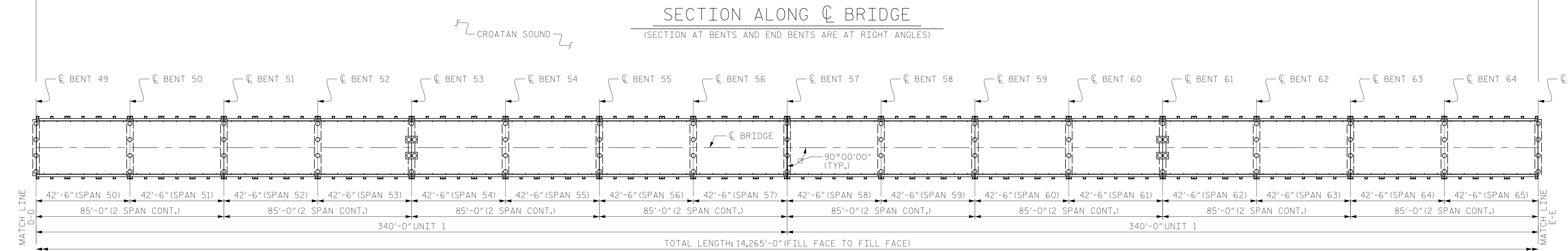
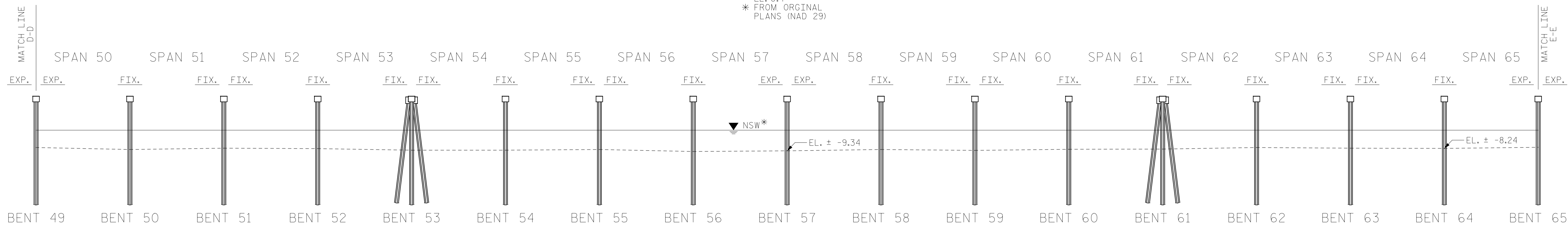
GANNETT FLEMING
One Glenwood Avenue
Suite 900
Raleigh, NC 27603
(919) 420-7660
NC Lic. No. F-0270

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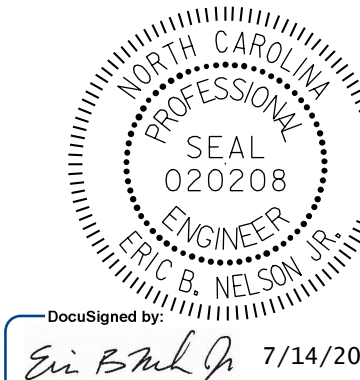
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CHECKED BY: R.WERTMAN DATE: 3/2019

EL. 0.4'
* FROM ORIGINAL
PLANS (MAD 29)



PROJECT NO. HB-0017
DARE COUNTY
BRIDGE NO. 270009

SHEET 3 OF 15



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

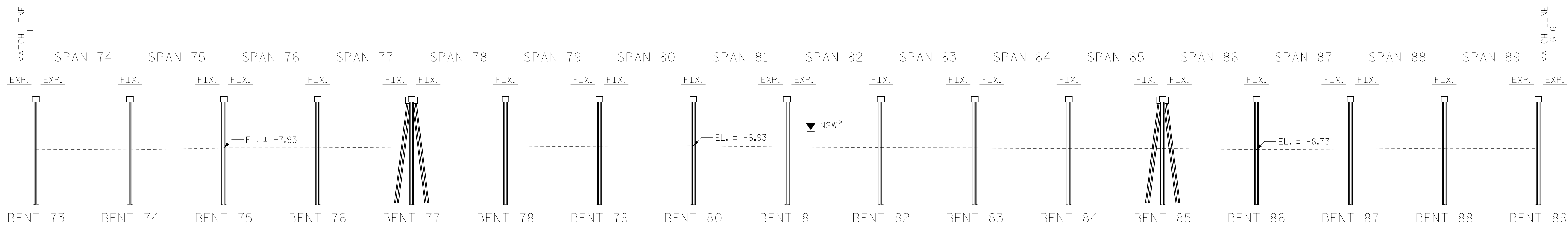
GENERAL DRAWING
BRIDGE #270009 ON US 64
OVER CROATAN SOUND

DRAWN BY: T.HARTLEY DATE: 2/2019
CHECKED BY: R.WERTMAN DATE: 3/2019



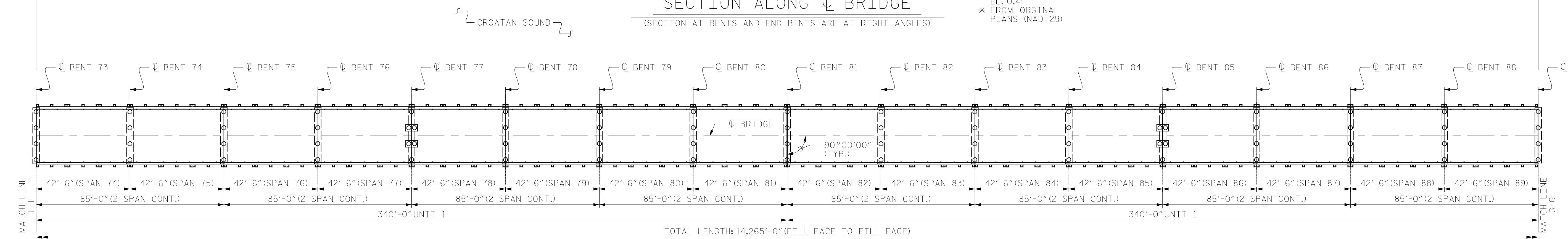
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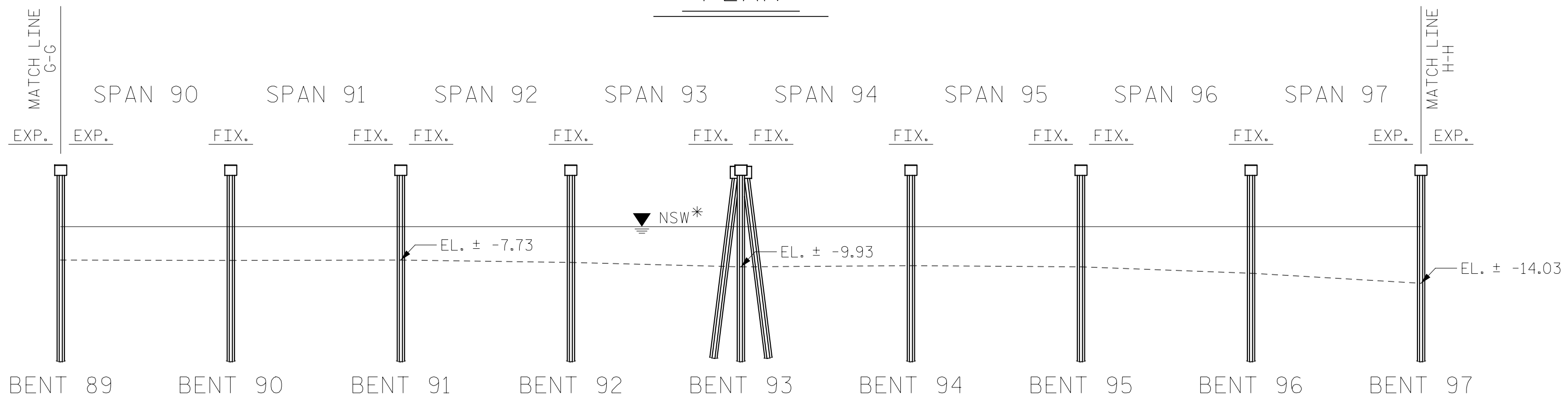


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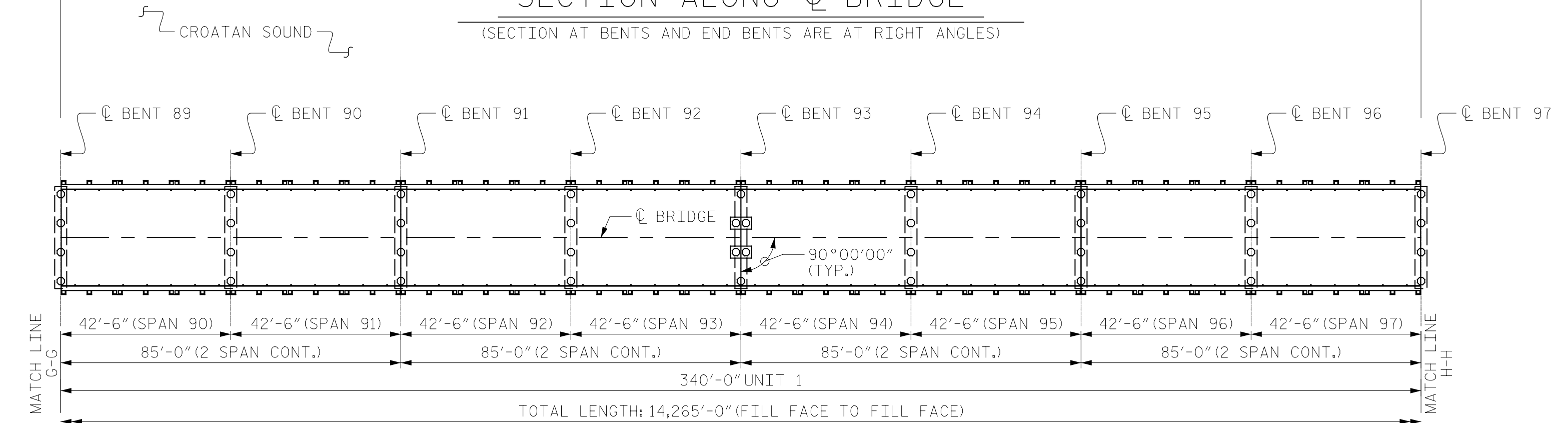
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PLANS (NAD 29)



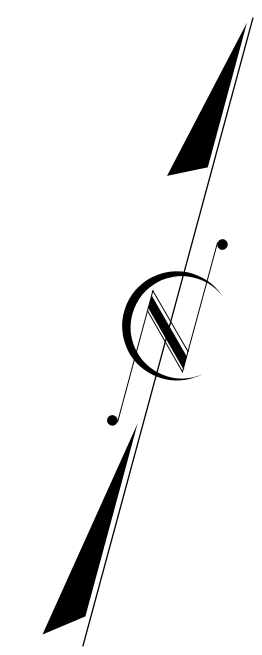
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SECTION ALONG CL BRIDGE
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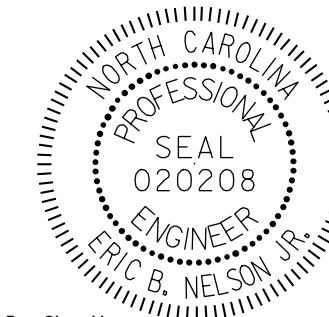


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 5 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



DocuSigned by:
 Eric B. Nelson, Jr.
 7/14/2022

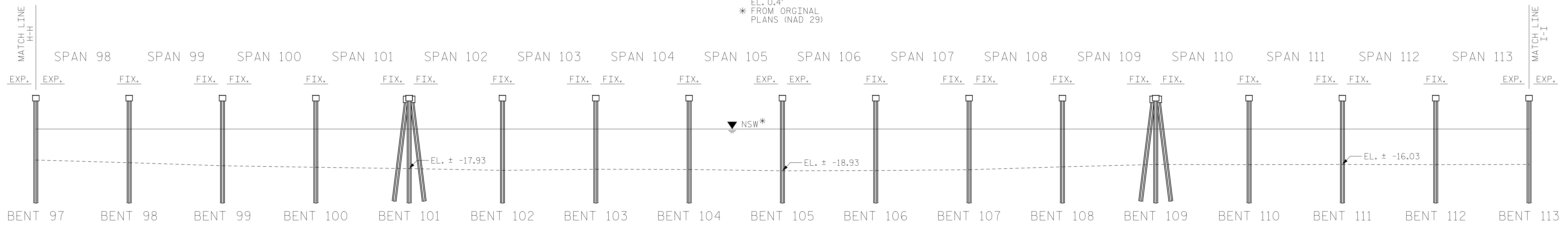


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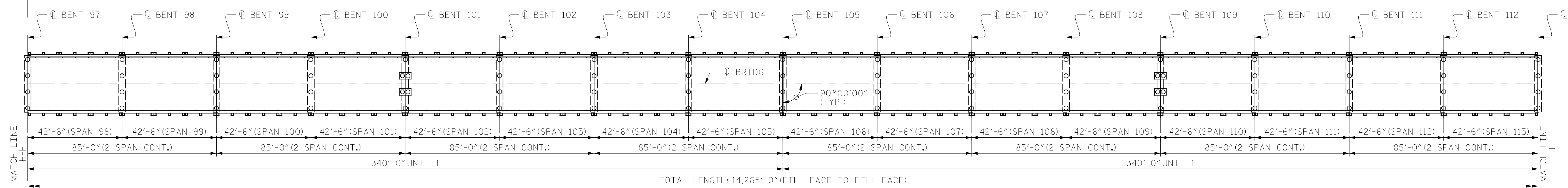
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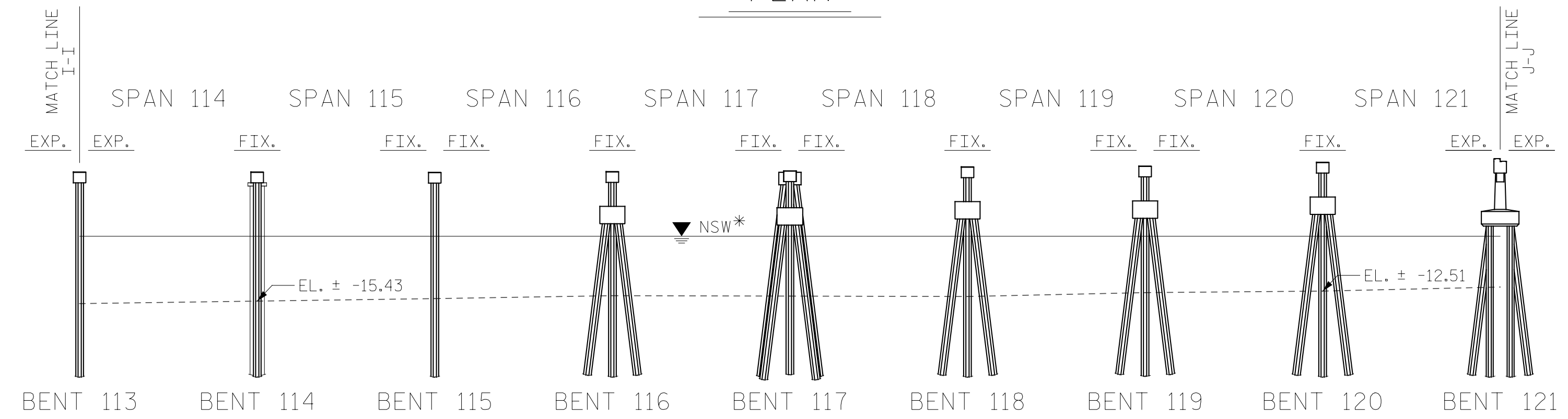
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PLANS (NAD 29)



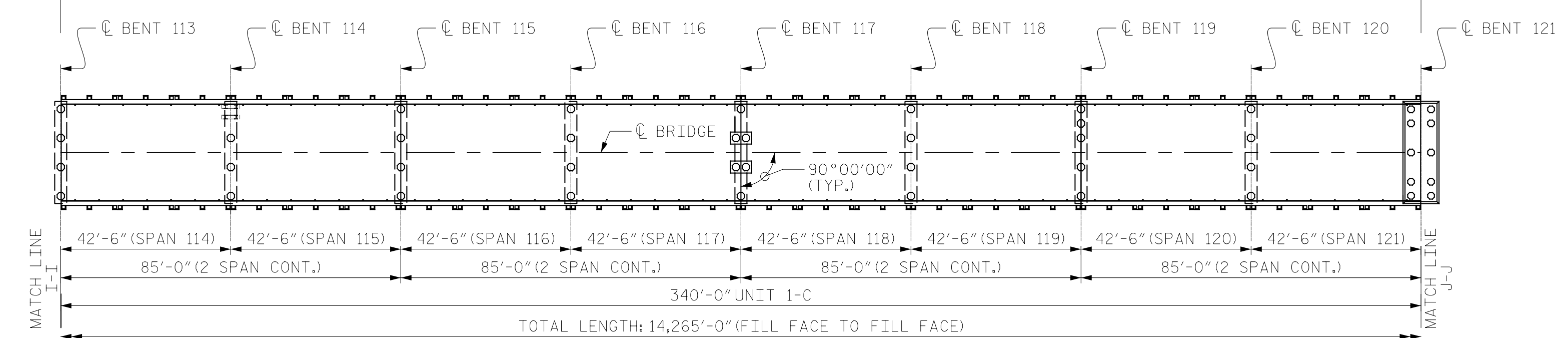
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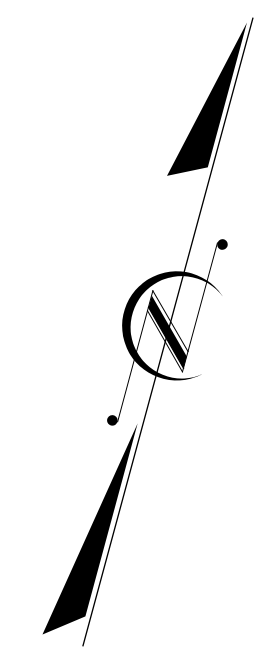
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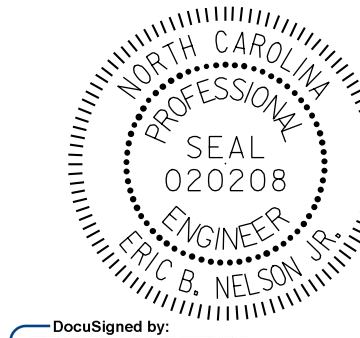


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 4 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



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 Eric B. Nelson 7/14/2022
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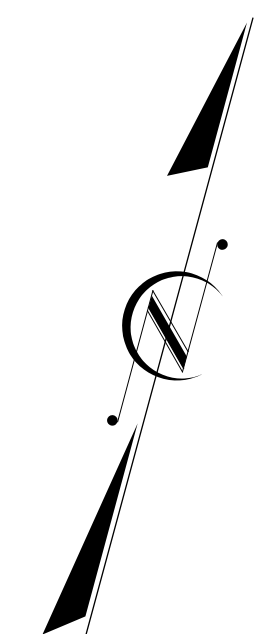
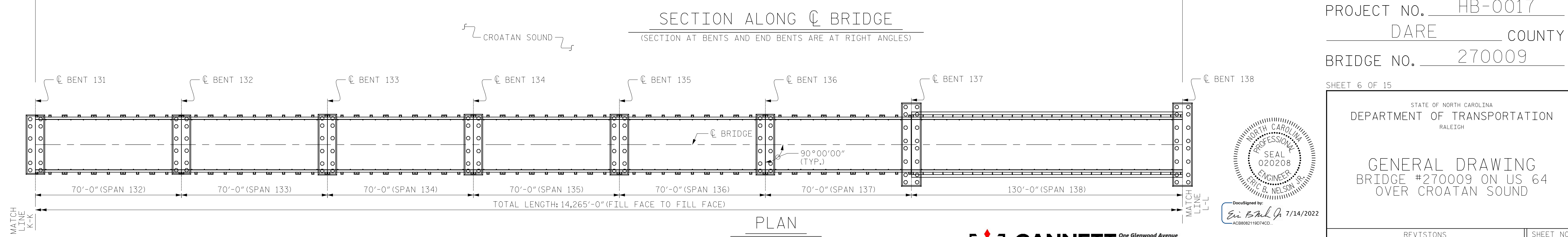
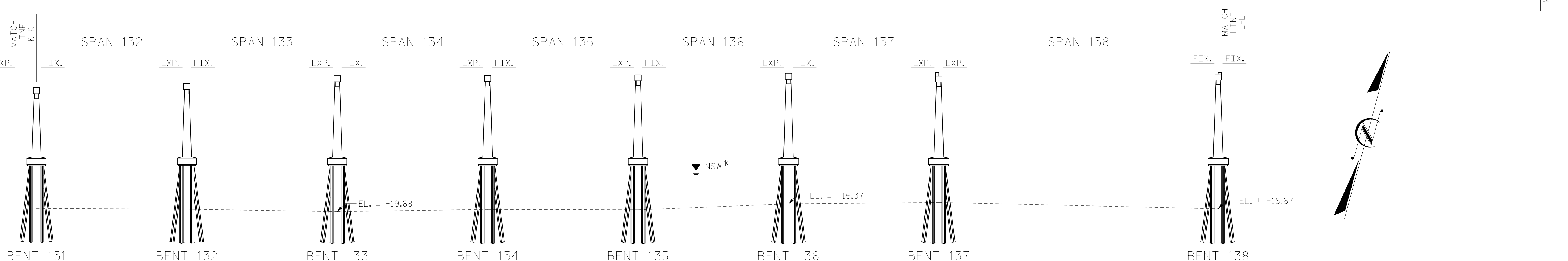
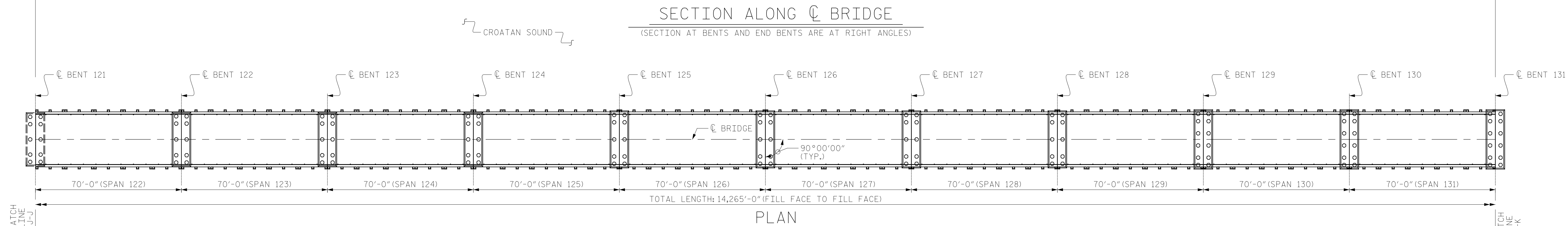
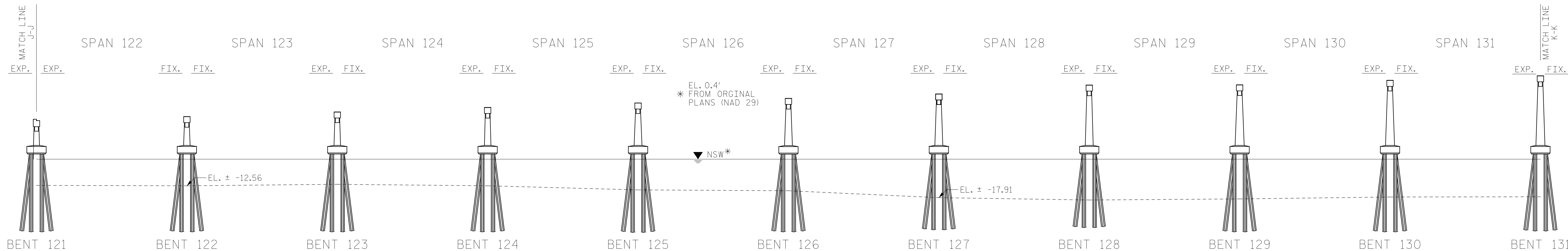
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 One Glenwood Avenue
 Suite 900
 Raleigh, NC 27603
 (919) 420-7660
 NC Lic. No. F-0270

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 S-5
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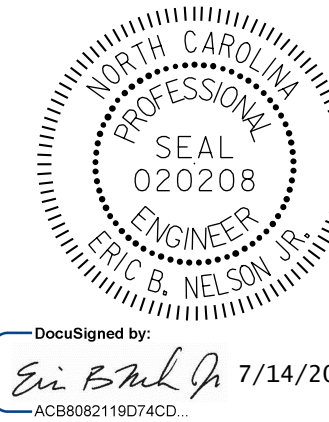


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 6 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



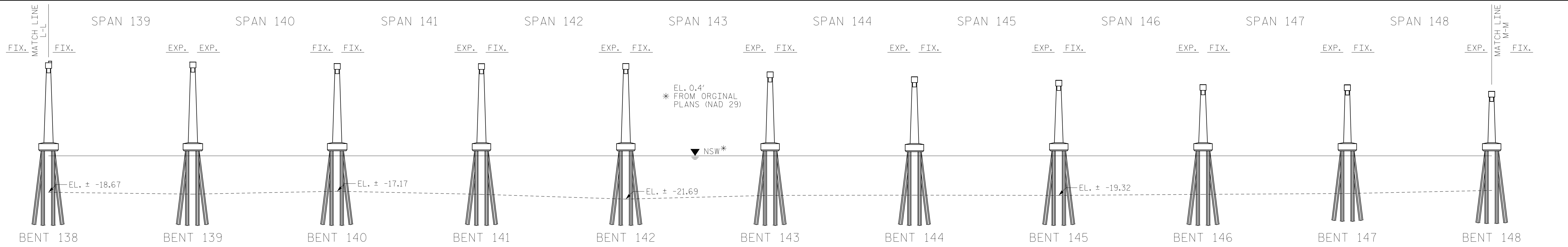
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 Eric B. Nelson 7/14/2022

DRAWN BY: T.HARTLEY DATE: 2/2019
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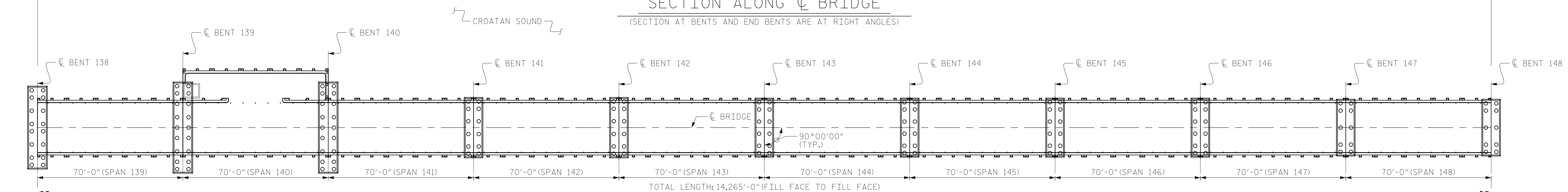


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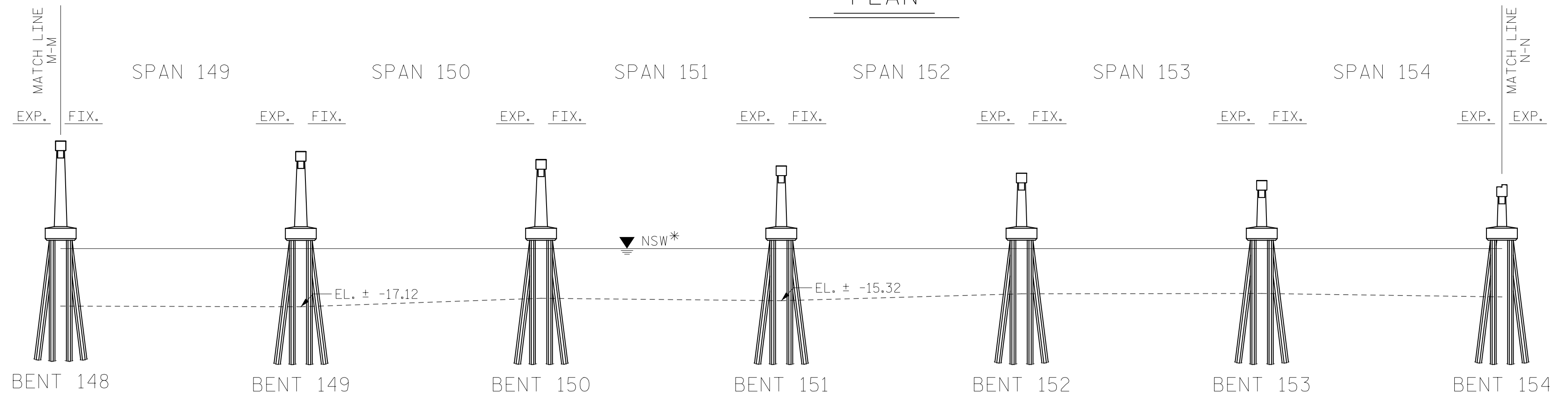
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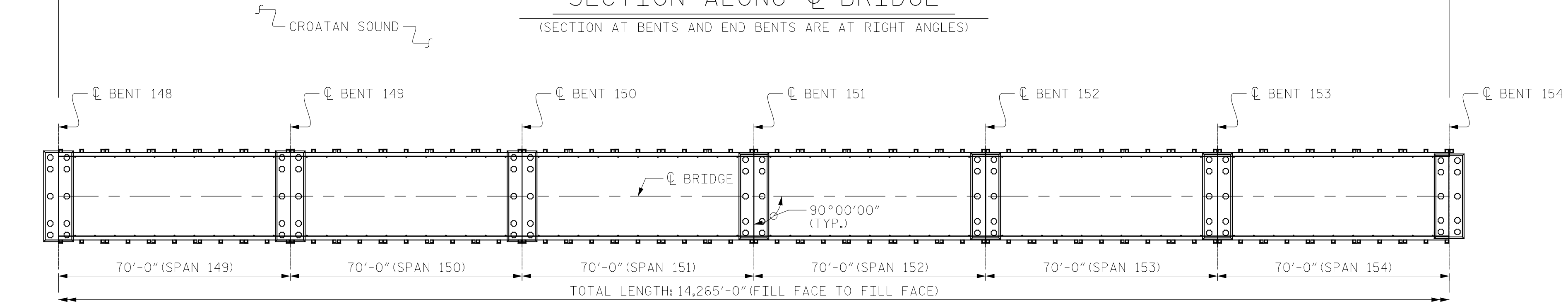
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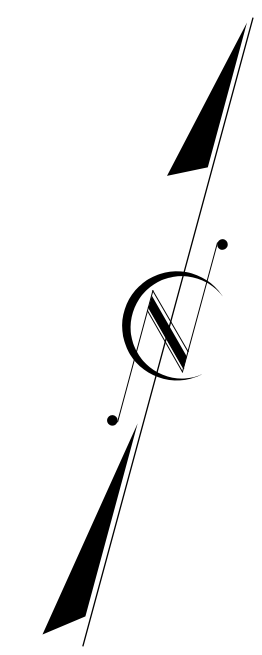
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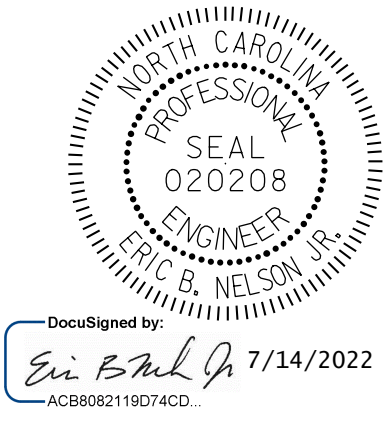
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PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 7 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



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 Eric B. Nelson
 7/14/2022

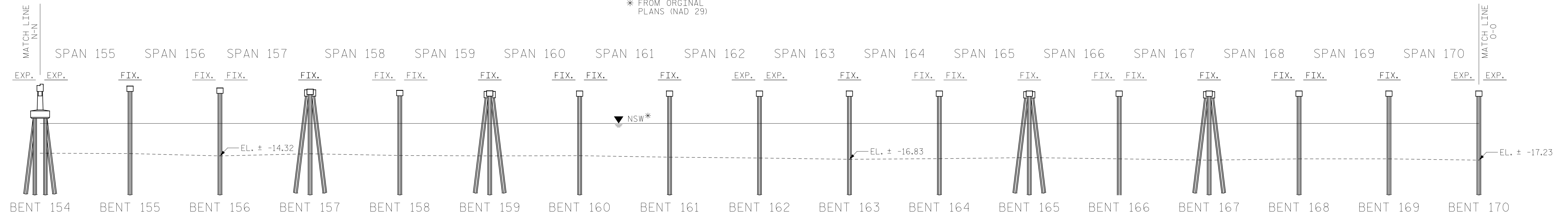


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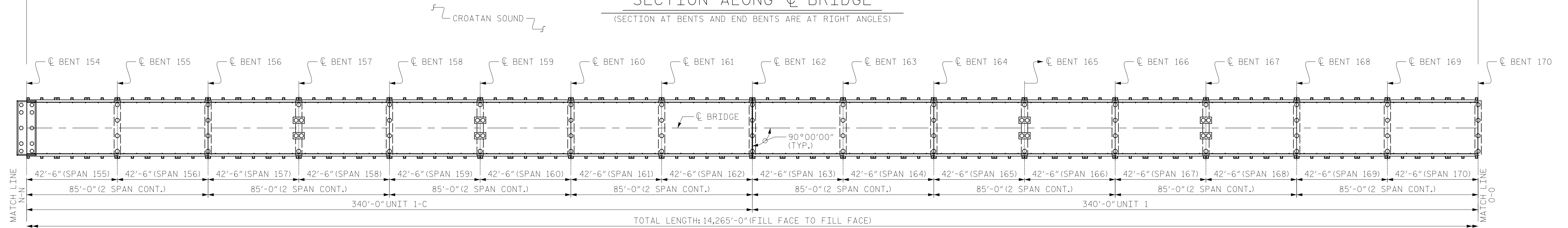
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EL. 0.4'
* FROM ORIGINAL
PLANS (NAD 29)

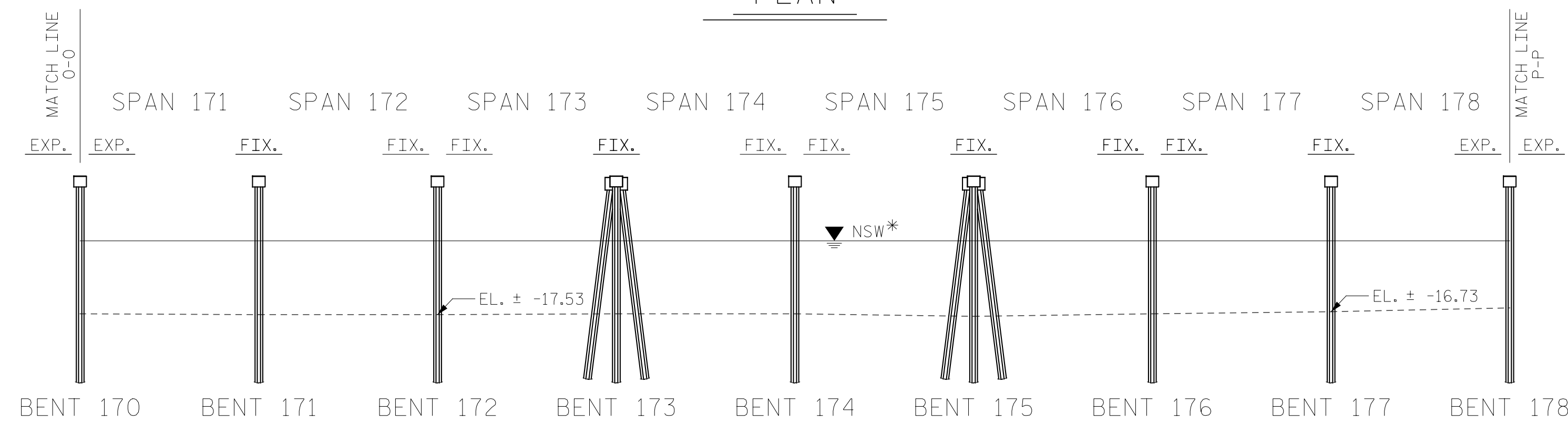


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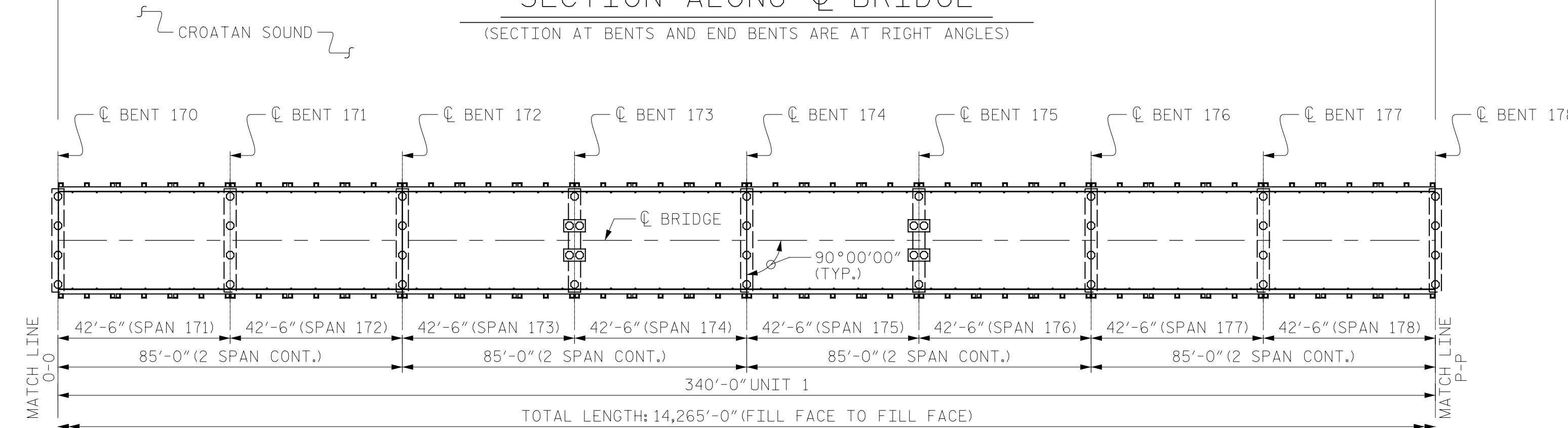


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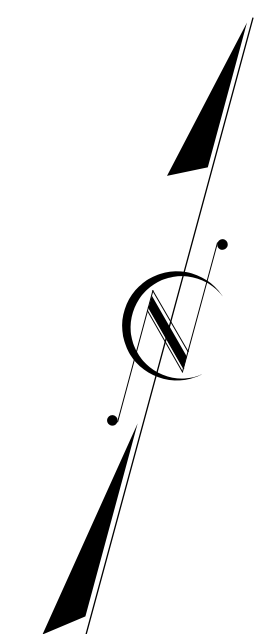


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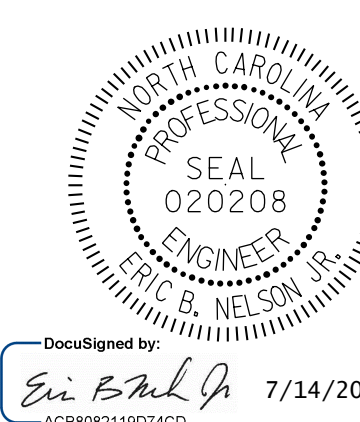


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 8 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



DocuSigned by
 Eric B. Nelson, Jr.
 7/14/2022

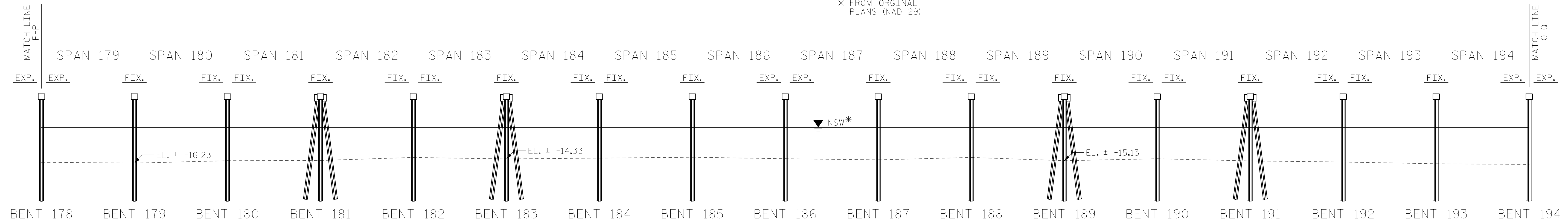


DOCUMENT NOT CONSIDERED
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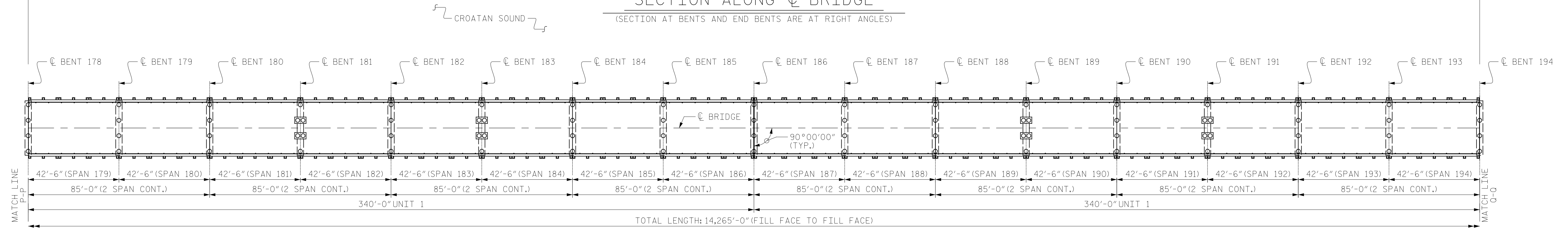
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 CHECKED BY : R.WERTMAN DATE : 3/2019

EL. 0.4'
* FROM ORIGINAL
PLANS (NAD 29)

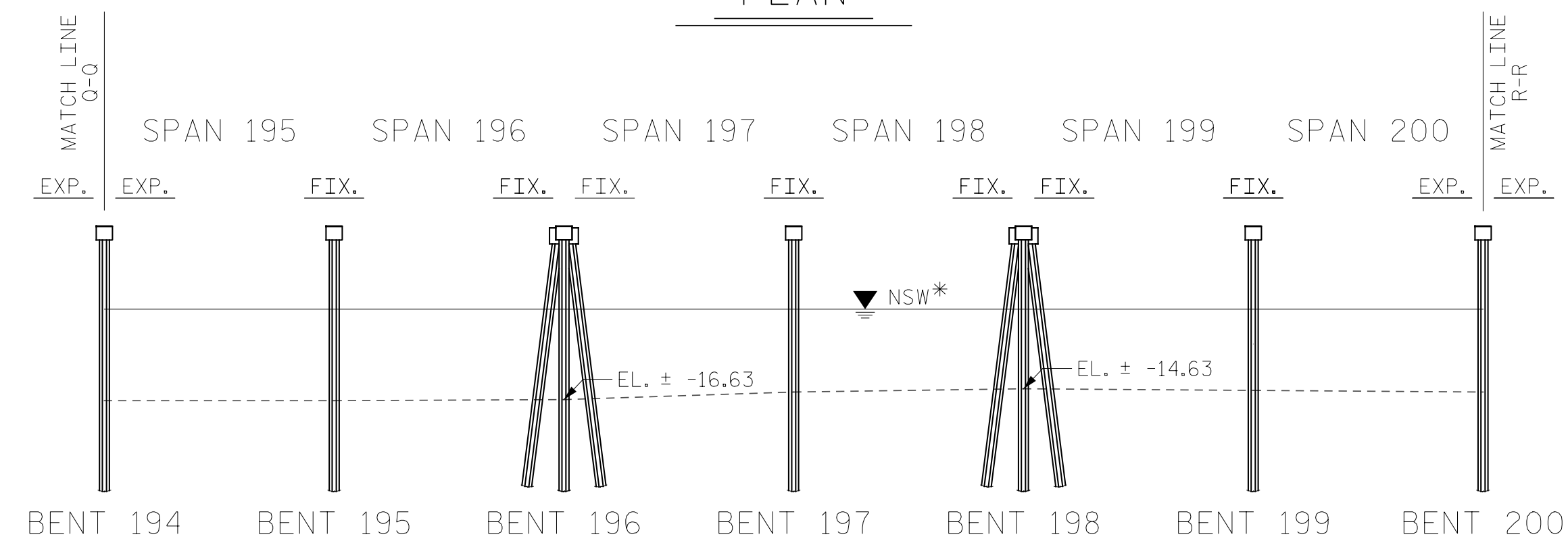


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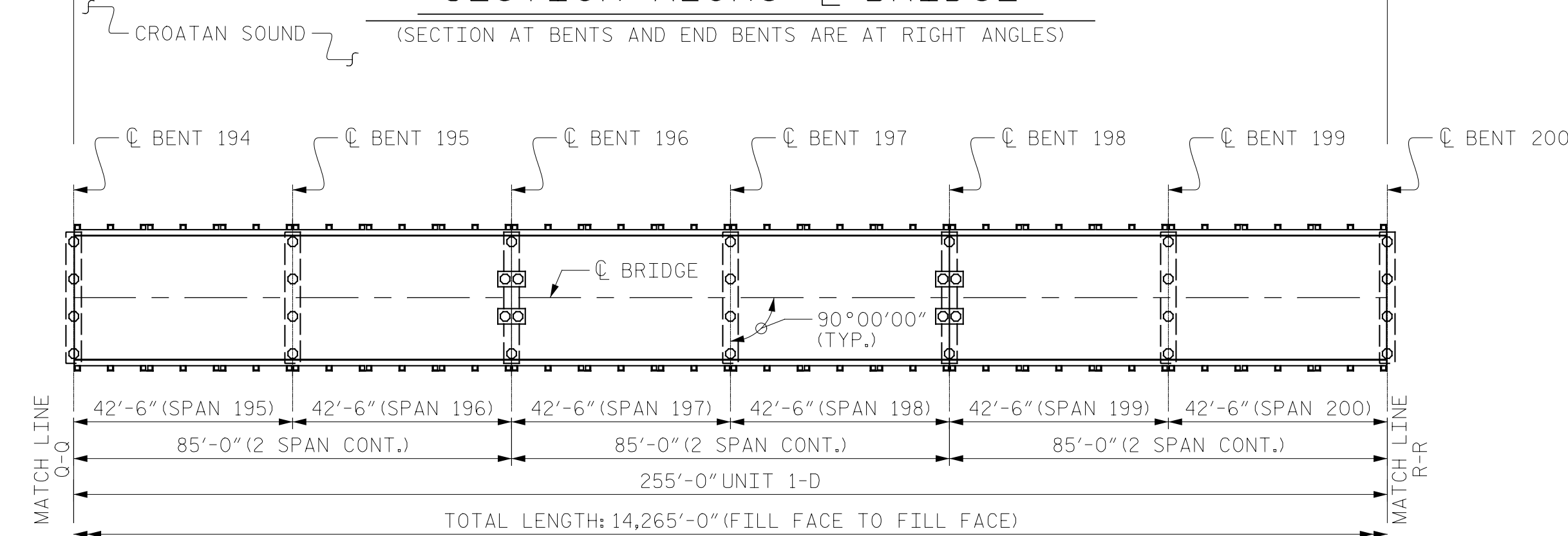


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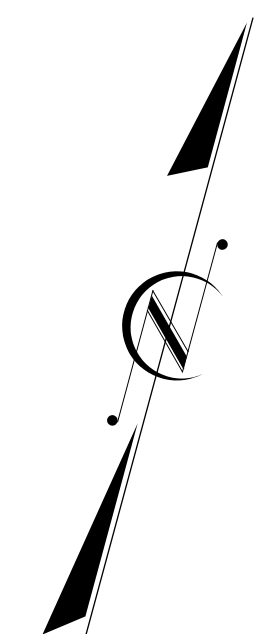


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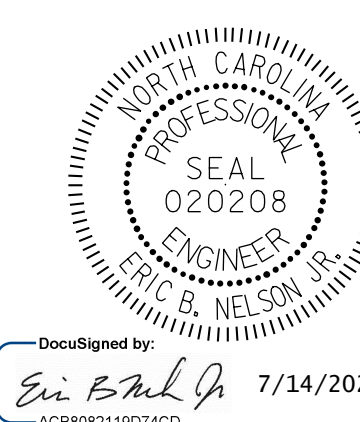


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 9 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



DocuSigned by:
Eric B. Nelson, Jr.
 7/14/2022
 A2860R219074CD

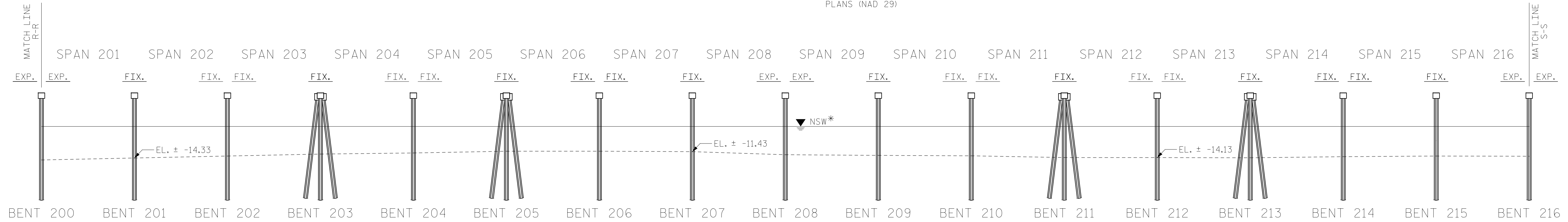


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| NO. | BY: | DATE: | NO. | BY: | DATE: | S-9 |
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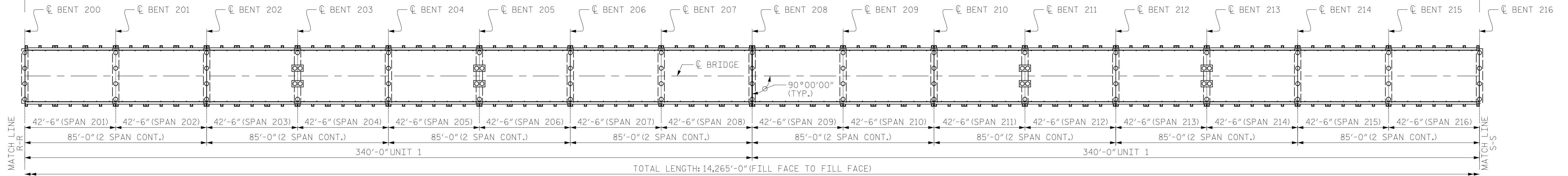
DRAWN BY : T.HARTLEY DATE : 2/2019
 CHECKED BY : R.WERTMAN DATE : 3/2019

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 * FROM ORIGINAL
 PLANS (NAD 29)

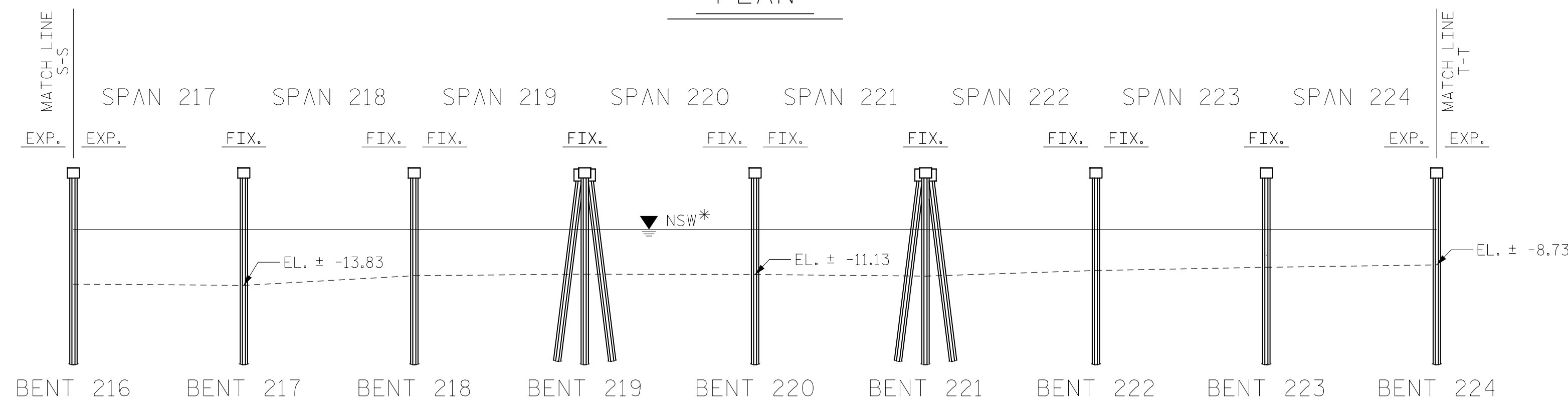


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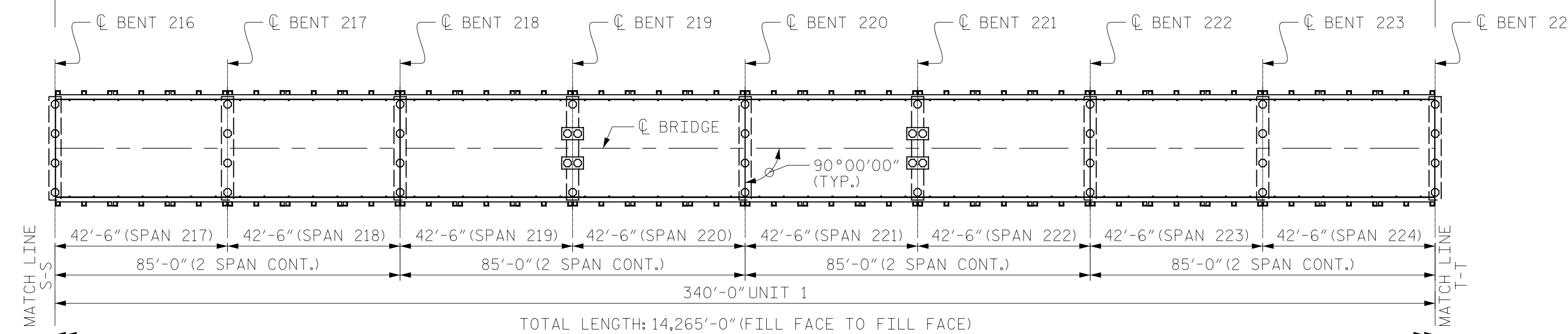


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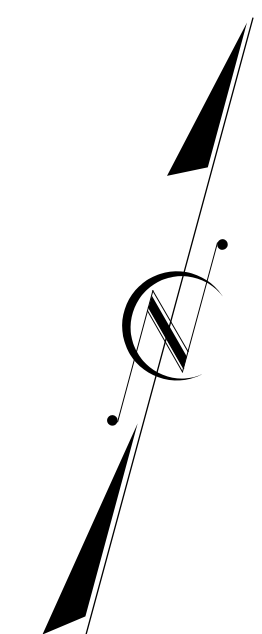


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(SECTION AT BENTS AND END BENTS ARE AT RIGHT ANGLES)



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PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 10 OF 15



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND

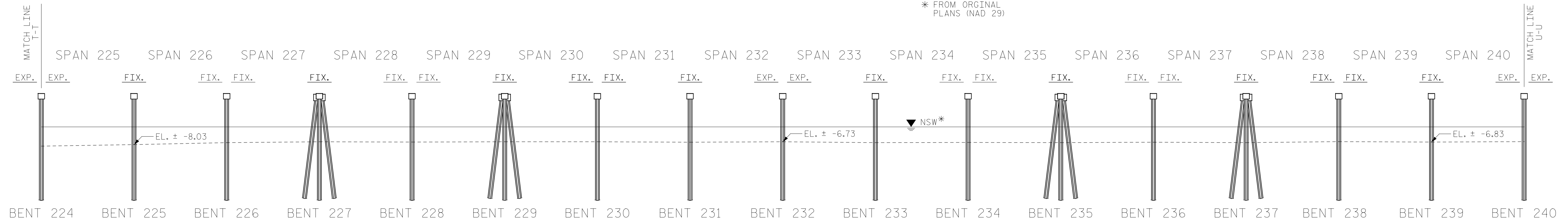
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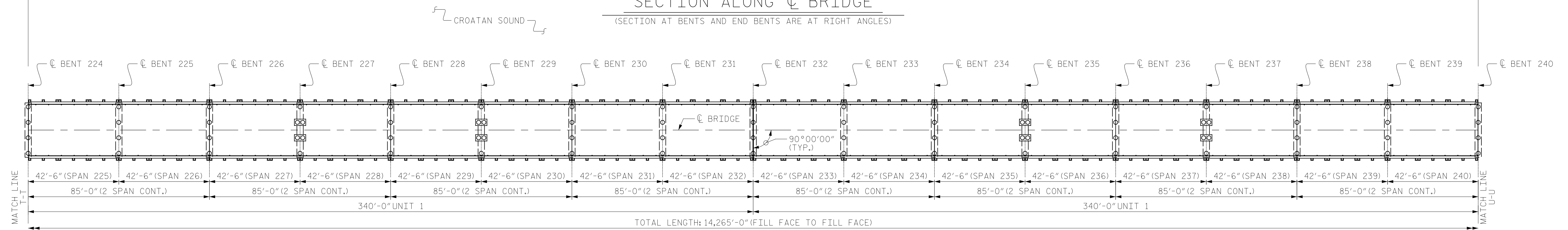
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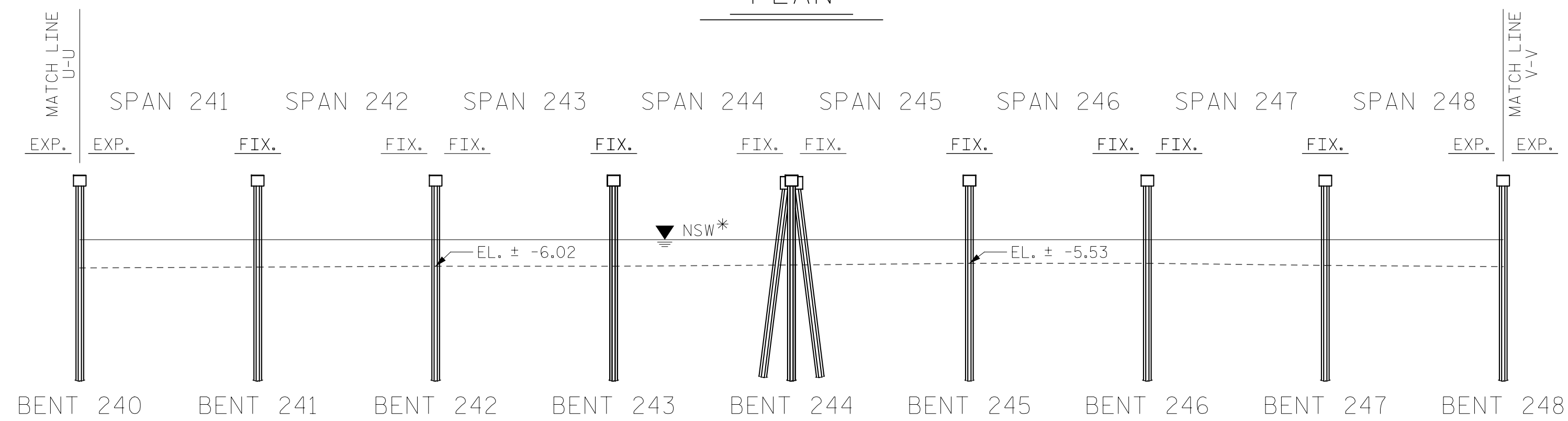


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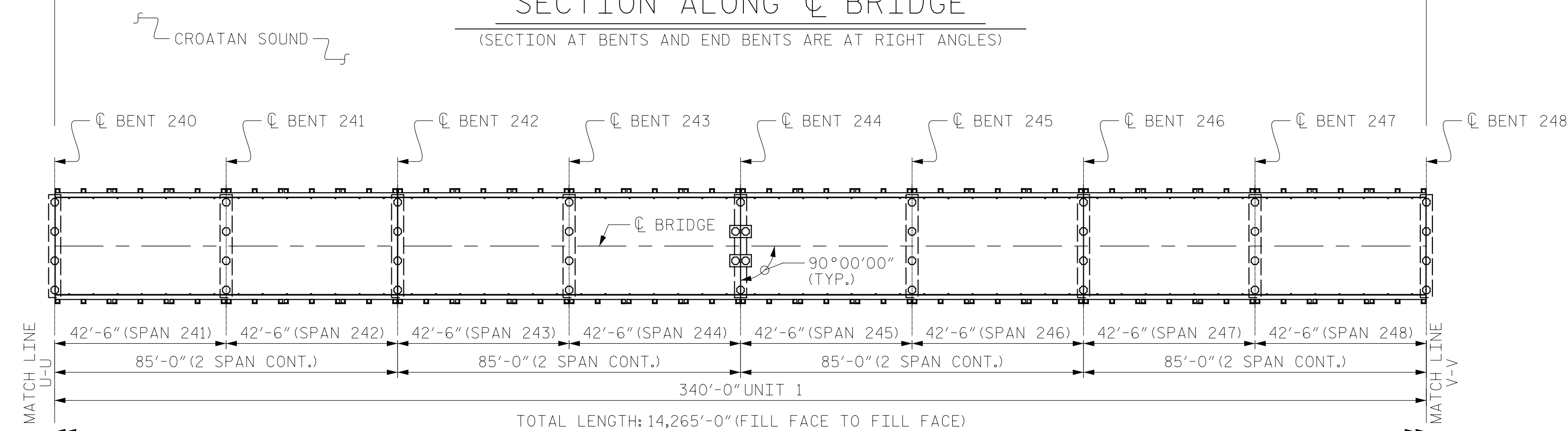


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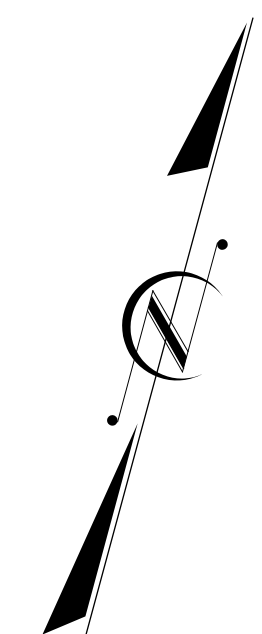


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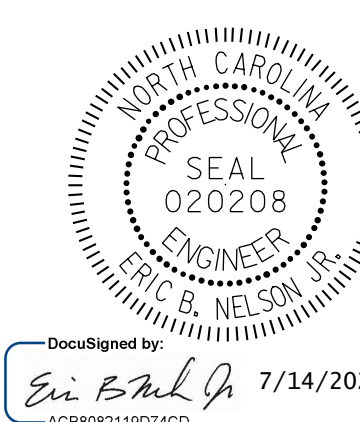


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 11 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



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 Eric B. Nelson
 7/14/2022

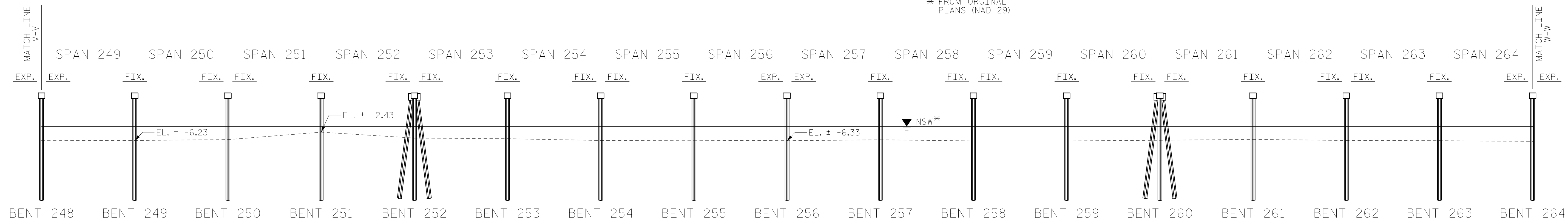


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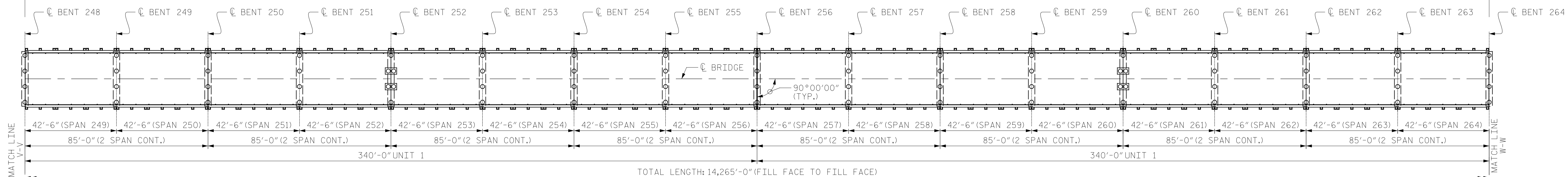
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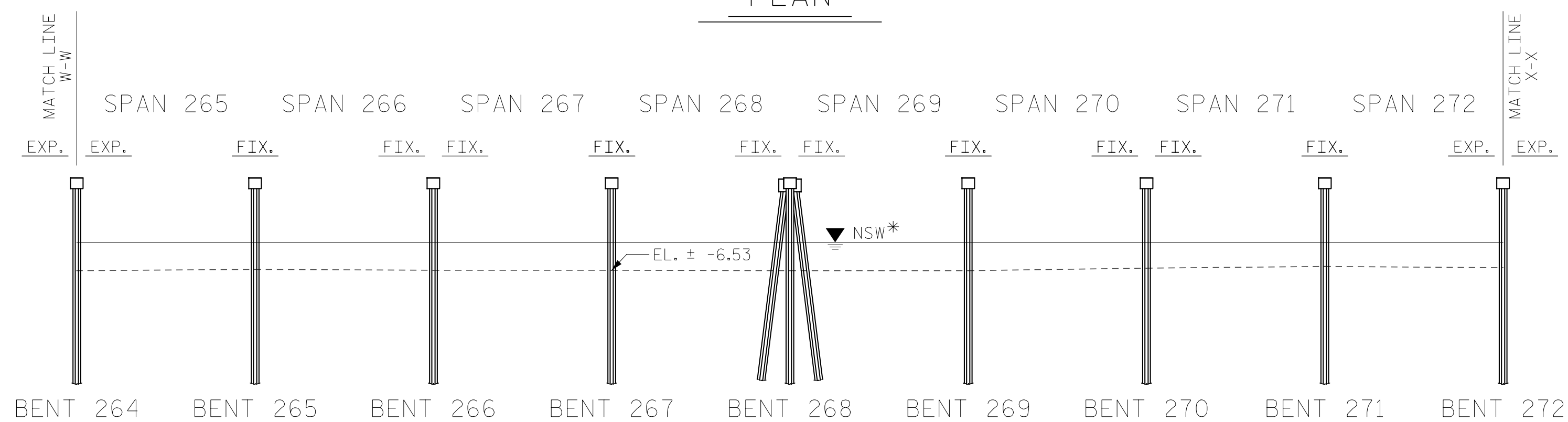


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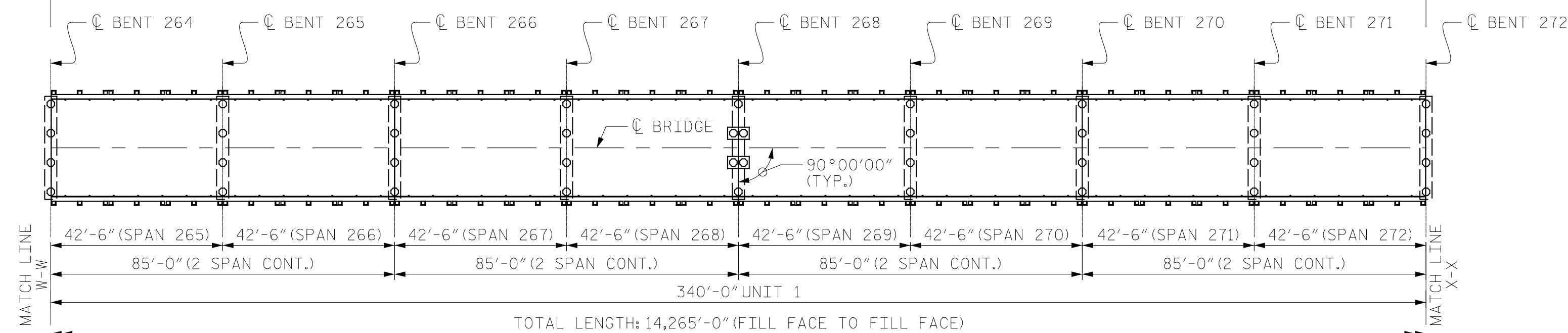


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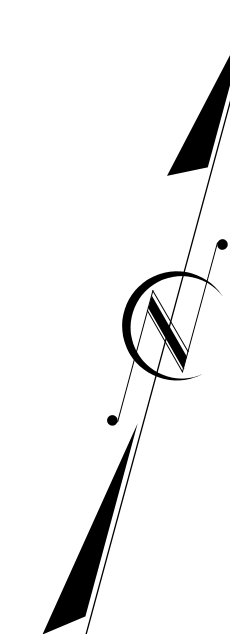


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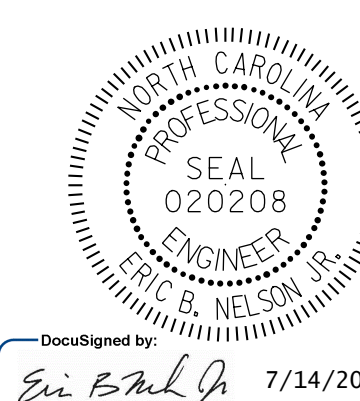


PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 12 OF 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



DocuSigned by:
 Eric B. Nelson, Jr.
 7/14/2022

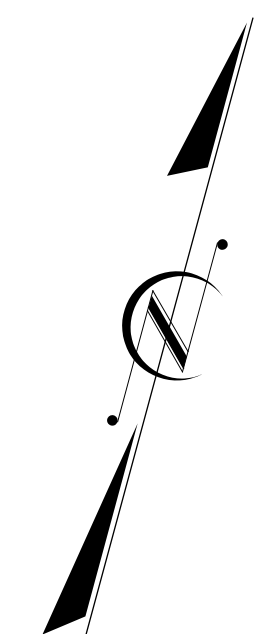
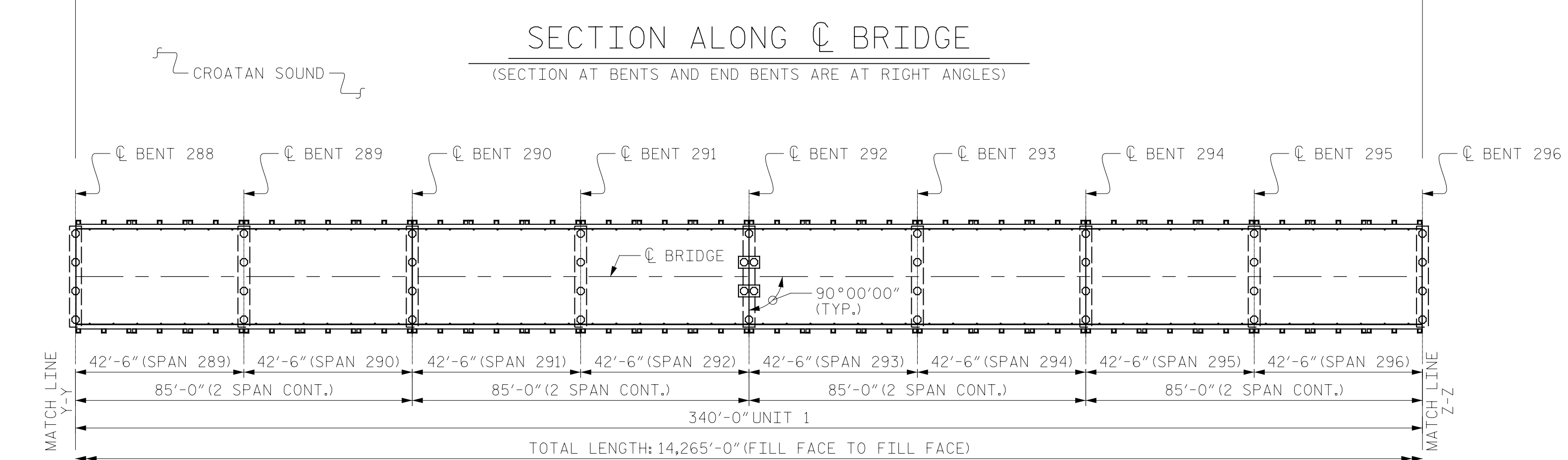
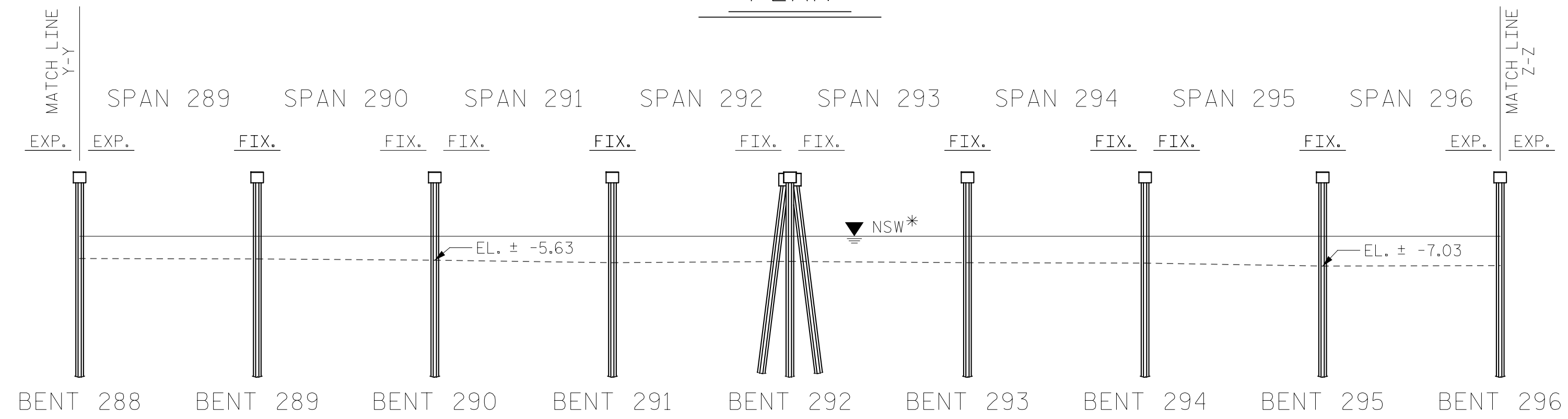
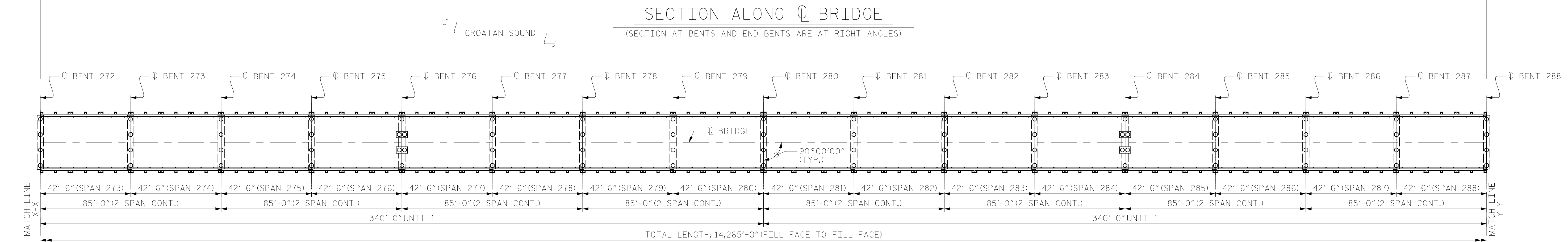
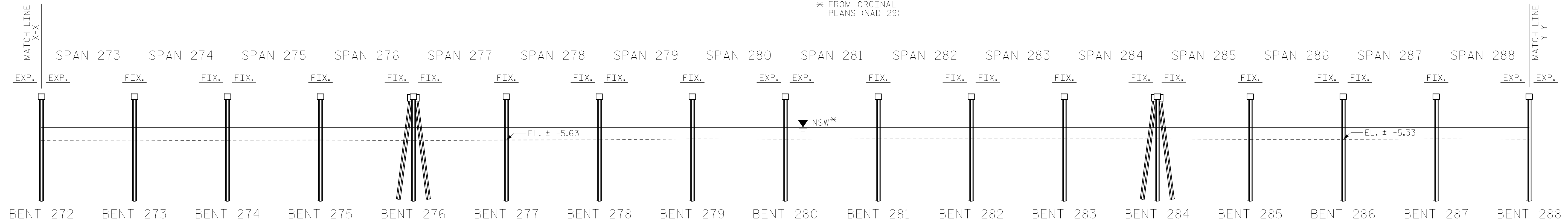


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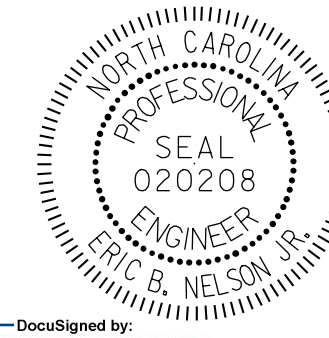
DRAWN BY: T.HARTLEY DATE: 2/2019
 CHECKED BY: R.WERTMAN DATE: 3/2019

EL. 0.4'
* FROM ORIGINAL
PLANS (NAD 29)



PROJECT NO. HB-0017
DARE COUNTY
BRIDGE NO. 270009

SHEET 13 OF 15



DocuSigned by:
Eric B. Nelson
7/14/2022

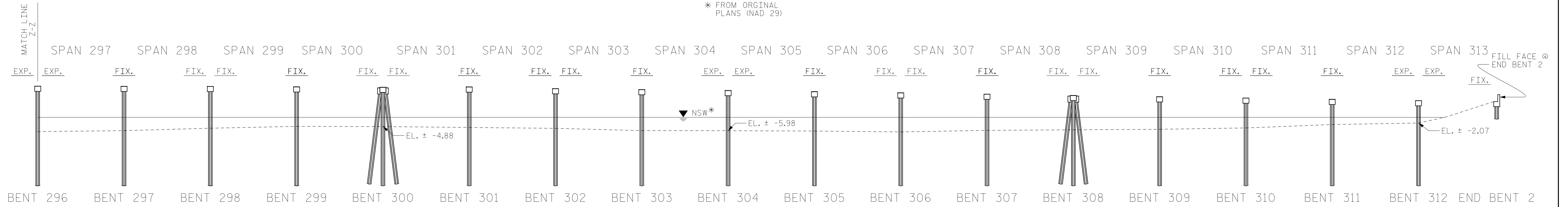
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| STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH | | GENERAL DRAWING BRIDGE #270009 ON US 64 OVER CROATAN SOUND | |
| REVISIONS | | | |
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DRAWN BY: T. HARTLEY DATE: 2/2019
CHECKED BY: R. WERTMAN DATE: 3/2019



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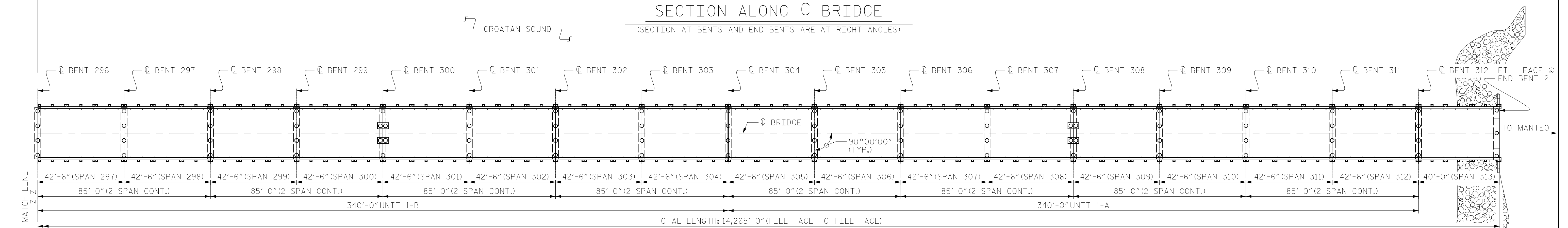
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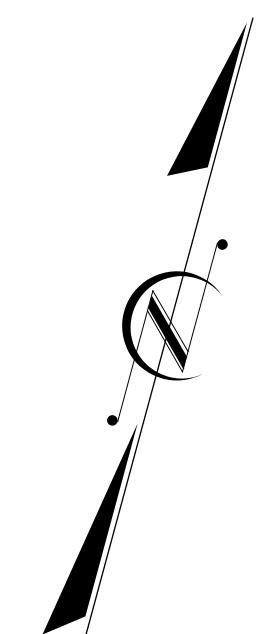
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CROATAN SOUND

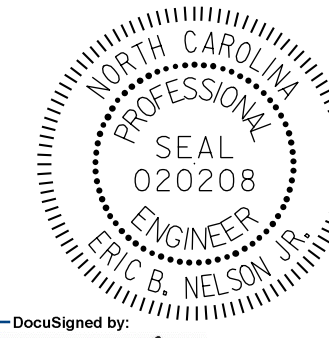


PLAN



PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009

SHEET 14 OF 15



DocuSigned by
Eric B. Nelson, Jr. 7/14/2022
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND

DRAWN BY : T.HARTLEY DATE : 2/2019
 CHECKED BY : R.WERTMAN DATE : 3/2019



DOCUMENT NOT CONSIDERED
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| REVISIONS | | | | | | SHEET NO. |
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| NO. | BY: | DATE: | NO. | BY: | DATE: | S-14 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 355 |

COORDINATES: LATITUDE 35°55'10.95", LONGITUDE 75°44'45.01"



LOCATION SKETCH

INFORMATION INDICATED ON THE LOCATION SKETCH SHALL BE CONSIDERED GENERAL INFORMATION ONLY. CONTRACTOR SHALL CONFIRM, THROUGH OTHER SOURCES, SPECIFIC INFORMATION REGARDING THE BRIDGES, ROADWAYS, UTILITIES, THE SURROUNDING AREA, AND ANY OTHER ASPECTS THAT MAY BE NECESSARY TO PERFORM AND COMPLETE THE PROJECT.

ENVIRONMENTAL NOTES:

STANDARD CONSTRUCTION CONDITIONS SHALL BE IMPLEMENTED FOR THE FOLLOWING PROTECTED/ENDANGERED SPECIES AS APPLICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS:

- A. WEST INDIAN MANATEE
- B. VARIOUS SEA TURTLE SPECIES
- C. ATLANTIC STURGEON

WORK ON THE WATER:

CONTACT THE U.S. COAST GUARD 30 DAYS PRIOR TO BEGINNING IN-WATER CONSTRUCTION ACTIVITIES. THE NAVIGATION CHANNEL SHALL NOT BE BLOCKED DURING CONSTRUCTION. FOR U.S. COAST GUARD CONTACT INFORMATION, SEE COORDINATION WITH THE U.S. COAST GUARD SPECIAL PROVISION.

THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE COAST GUARD FOR ALL IN-WATER WORK OPERATIONS.

LIMITS TO CONSTRUCTION OPERATIONS:

CONSTRUCTION OPERATIONS AT VARIOUS LOCATIONS ON THE BRIDGE WILL BE RESTRICTED DURING THE ANNUAL PURPLE MARTIN MIGRATORY ROOSTING PERIOD. SEE THE CONTRACT DOCUMENTS FOR TIME AND LOCATIONS FOR RESTRICTIONS.

MARINE TRAFFIC:

MARINE TRAFFIC CONSTRUCTION SIGNS SHALL BE PLACED ON BOTH FACES OF THE BRIDGE AT LOCATIONS WHERE WORK IS BEING PERFORMED. PLACEMENT OF THE SIGNS SHALL BE SUCH THAT THEY ARE CLEARLY VISIBLE TO THE APPROACHING MARINE TRAFFIC. BARGES LEFT IN THE WATER IN LOW-LIGHT CONDITIONS SHALL BE ILLUMINATED SO AS TO BE VISIBLE TO MARINE TRAFFIC.

GENERAL NOTES:

EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS.

PRIOR TO BEGINNING WORK, CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPLETE SEQUENCE OF TASKS FOR CONSTRUCTION OPERATIONS.

WORK ON THE BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

ANY DAMAGE TO EXISTING REINFORCING STEEL, DURING CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.

FOR CONTROL OF TRAFFIC, LIMITS ON PHASING OF CONSTRUCTION, AND INTERMEDIATE CONTRACT TIME, SEE TRANSPORTATION MANAGEMENT PLANS AND CONTRACT DOCUMENTS.

ROADWAY MILLING IS INCLUDED TO ENSURE A SMOOTH TRANSITION ONTO THE BRIDGE FLOOR. DIMENSIONS SHOWN FOR MILLING AND RESURFACING ARE APPROXIMATE. MILL AND RESURFACE AS REQUIRED TO PROVIDE A SMOOTH TRANSITION TO THE ROADWAY AT BOTH ENDS OF THE BRIDGE.

LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS SHALL BE LOCATED ALONG LANE LINES OR EDGE LINES UNLESS OTHERWISE NOTED ON THE PLANS.

EXISTING CONCRETE BRIDGE DECK SHALL BE REPAIRED PRIOR TO SURFACE PREPARATION FOR DECK OVERLAYS.

EXISTING JOINTS AND DECK DRAINS SHALL BE SEALED PRIOR TO AND DURING REPAIR OF BRIDGE DECKS. WHEN RAIN IS PREDICTED BETWEEN WORK PERIODS THE CONTRACTOR SHALL REMOVE DECK DRAIN SEAL DEVICES. REINSTALL DECK DRAIN DEVICES PRIOR TO RESUMING DECK REPAIR ACTIVITIES.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR WORK IN, OVER OR ADJACENT TO NAVIGABLE WATERS, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE OF WATER TRAFFIC, SEE SPECIAL PROVISIONS.

FOR SECURING OF VESSELS, SEE SPECIAL PROVISIONS.

FOR CONCRETE WORK FOR JOINT REPLACEMENT, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR CONCRETE DECK REPAIR FOR MMA OVERLAY, SEE CONCRETE DECK REPAIR FOR METHYL METHACRYLATE OVERLAY SPECIAL PROVISIONS.

FOR CLASS II SURFACE PREPARATION AND CLASS III SURFACE PREPARATION SEE CONCRETE DECK REPAIR FOR METHYL METHACRYLATE OVERLAY SPECIAL PROVISION.

FOR CONCRETE BRIDGE DECK CRACK SEALING, SEE SPECIAL PROVISIONS.

FOR MMA OVERLAY SYSTEM, SEE METHYL METHACRYLATE SLURRY BRIDGE DECK OVERLAY SYSTEM SPECIAL PROVISION.

FOR PREFORMED SILICONE EXPANSION JOINT SEAL, SEE SPECIAL PROVISIONS.

FOR SILICONE JOINT SEALANT, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIRS TO UNDERDECK, CAPS AND COLUMNS, SEE SPECIAL PROVISIONS.

FOR BRIDGE JACKING, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR PILE CONCRETE RESTORATION, SEE SPECIAL PROVISIONS.

FOR PILE FRP PROTECTIVE SYSTEM, SEE SPECIAL PROVISIONS.

FOR PILE FOOTING RESTORATION, SEE SPECIAL PROVISIONS.

FOR PILE SPLICE AND PRELOAD, SEE SPECIAL PROVISIONS.

FOR PILE JACKETS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR PARTIAL REMOVAL OF EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

FOR REINFORCED APPROACH FILL AT END BENT 1, SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS (360,000 KG) OF REINFORCING STEEL, ONE 30 INCH (760 MM) SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS (360,000 KG) OF REINFORCING STEEL, TWO 30 INCH (760 MM) SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

| TOTAL BILL OF MATERIAL | | | | | | | | | | | | |
|------------------------|---|------------------------------|-------------------|-------------------|------------------------------|-------------------------------|-------------------|-----------------------|--------------------------|---------------------------------------|--------------------|--|
| INCIDENTAL MILLING | ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C | ASPHALT BINDER FOR PLANT MIX | REINFORCING STEEL | CLASS AA CONCRETE | CLASS II SURFACE PREPARATION | CLASS III SURFACE PREPARATION | SHOTCRETE REPAIRS | EPOXY RESIN INJECTION | REINFORCED APPROACH FILL | PARTIAL REMOVAL OF EXISTING STRUCTURE | CRACK PRETREATMENT | PREFORMED SILICONE EXPANSION JOINT SEALS |
| S.Y. | TON | TON | LBS. | C.Y. | S.Y. | S.Y. | C.F. | L.F. | L.S. | L.S. | L.F. | L.F. |
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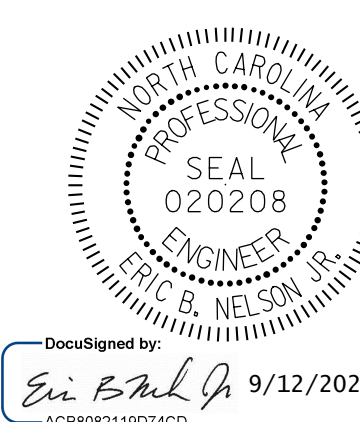
| TOTAL BILL OF MATERIAL | | | | | | | | | | | | | | | |
|-------------------------|--------------|------------------------|--------------------------|---------------------------------------|--------------------------------------|---------------------------|--------------------|--------------------|-------------------------------------|-------------------------|---------------------------------------|---------------------------------------|------------------------------------|--|--|
| PILE SPLICE AND PRELOAD | PILE JACKETS | SILICONE JOINT SEALANT | FOOTING CONCRETE REPAIRS | ELASTOMERIC CONCRETE FOR PRESERVATION | CONCRETE DECK REPAIR FOR MMA OVERLAY | PILE CONCRETE RESTORATION | WATERLINE GROUTING | MMA OVERLAY SYSTEM | CONCRETE WORK FOR JOINT REPLACEMENT | BRIDGE JOINT DEMOLITION | FRP PROTECTIVE SYSTEM ABOVE WATERLINE | FRP PROTECTIVE SYSTEM BELOW WATERLINE | CONCRETE BRIDGE DECK CRACK SEALING | TYPE II BRIDGE JACKING BRIDGE No. 270009 | |
| L.F. | L.F. | L.F. | C.Y. | C.F. | C.F. | C.F. | C.F. | S.F. | S.F. | S.F. | S.F. | S.F. | S.Y. | EA. | |
| 14 | 20 | 4006.6 | 523.6 | 760.4 | 24.6 | 3445 | 500 | 339072.5 | 2034 | 2948 | 47168.7 | 30691.2 | 37239.6 | 11 | |

| SAMPLE BAR REPLACEMENT | |
|------------------------|---------|
| SIZE | LENGTH |
| #3 | 6'-2" |
| #4 | 7'-4" |
| #5 | 8'-6" |
| #6 | 9'-8" |
| #7 | 10'-10" |
| #8 | 12'-0" |
| #9 | 13'-2" |
| #10 | 14'-6" |
| #11 | 15'-10" |

NOTE: SAMPLE BAR REPLACEMENT LENGTHS BASED ON 30" (SAMPLE LENGTH) PLUS TWO SPLICE LENGTHS AND f_y = 60ksi.

PROJECT NO. HB-0017
 DARE COUNTY
 BRIDGE NO. 270009

SHEET 15 OF 15



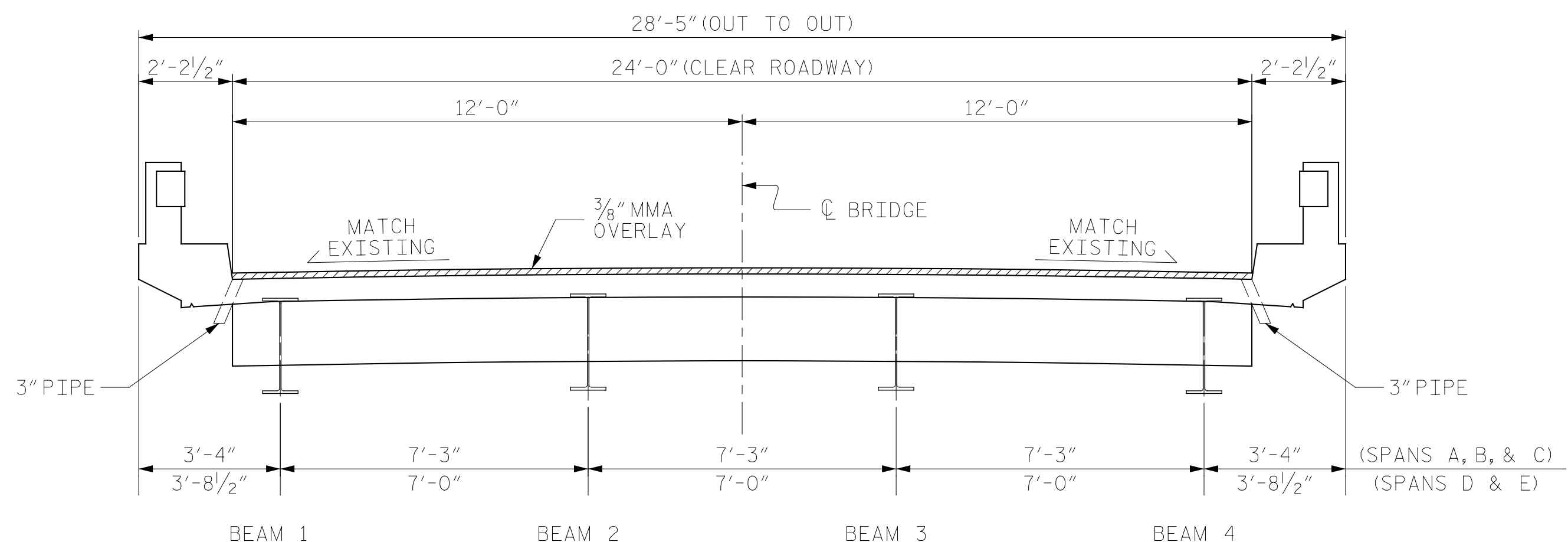
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 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



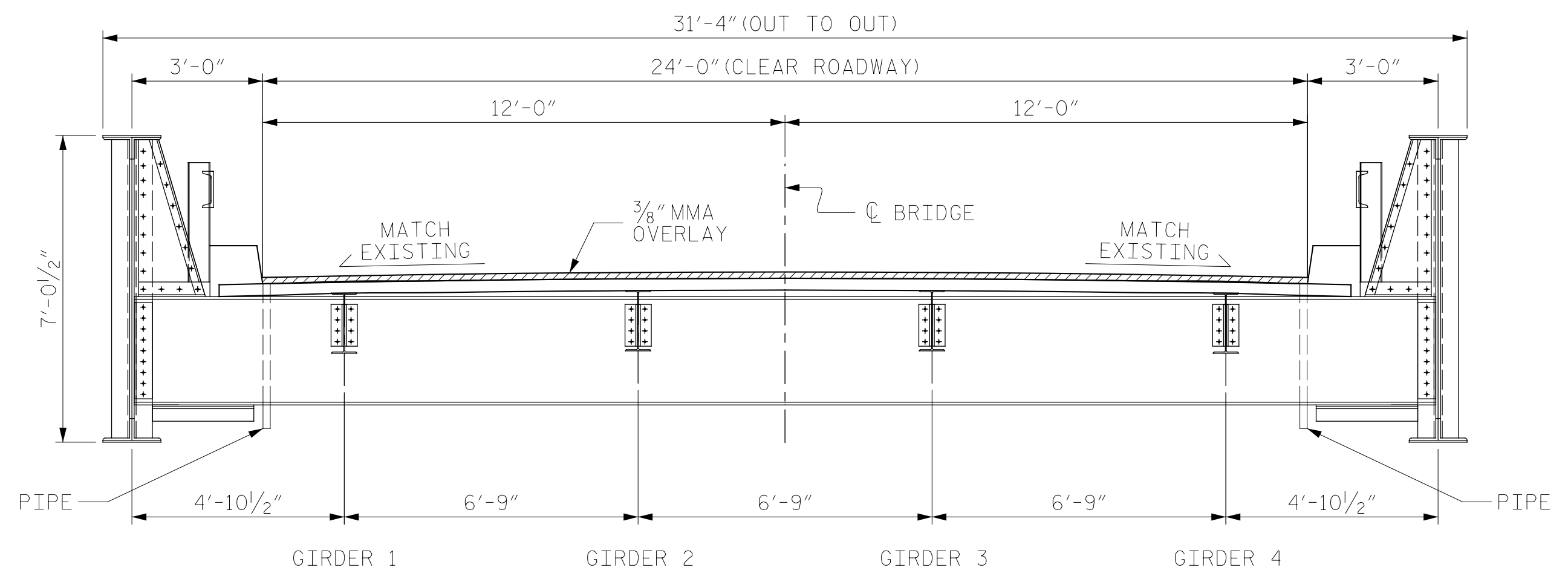
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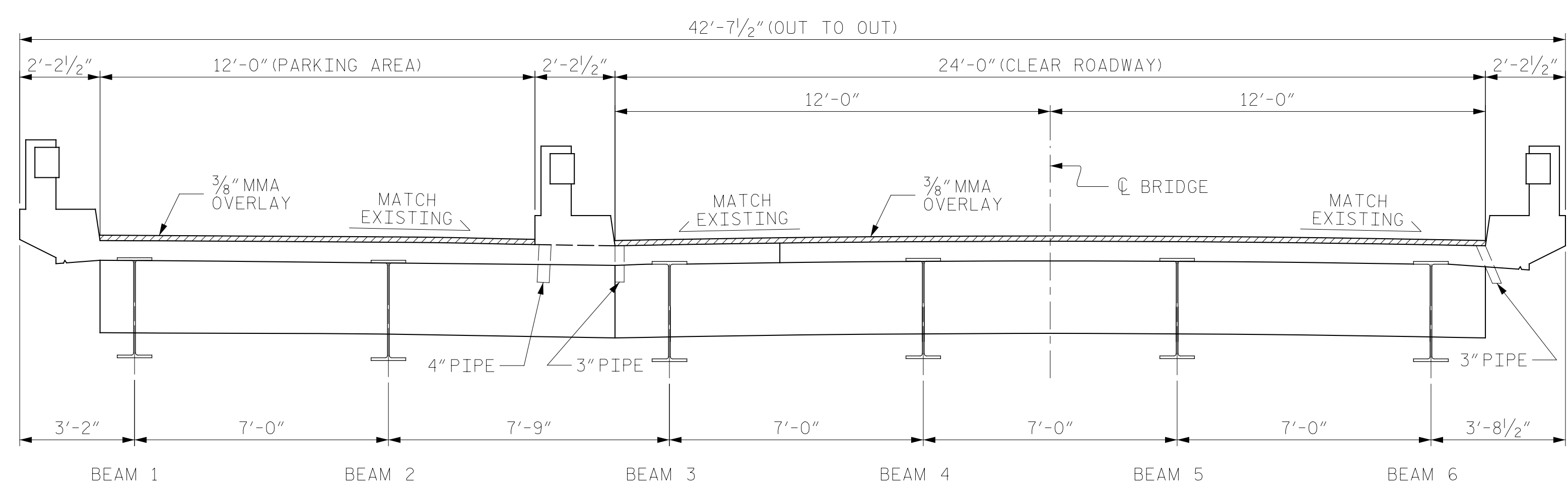
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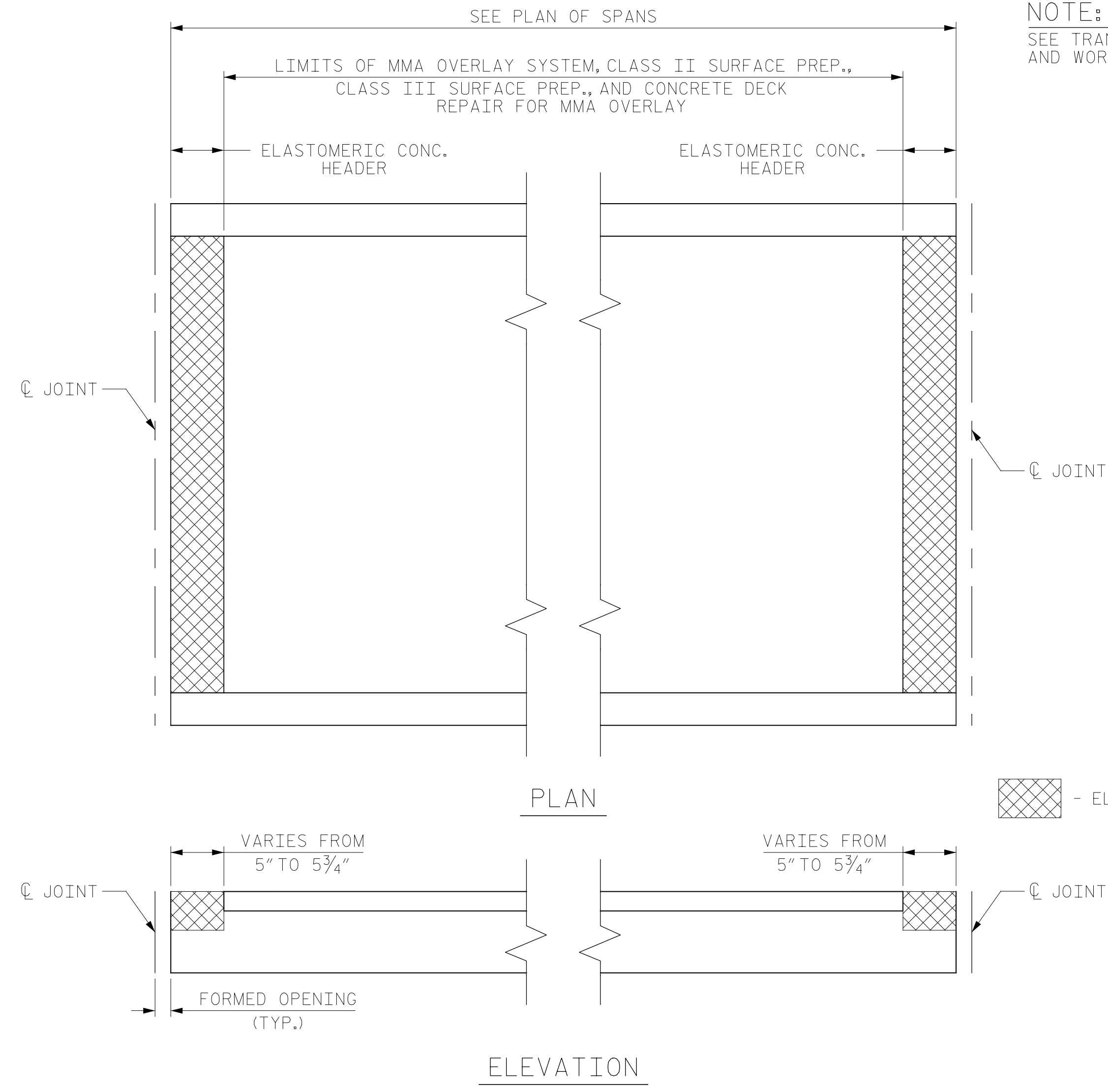
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(PROPOSED)



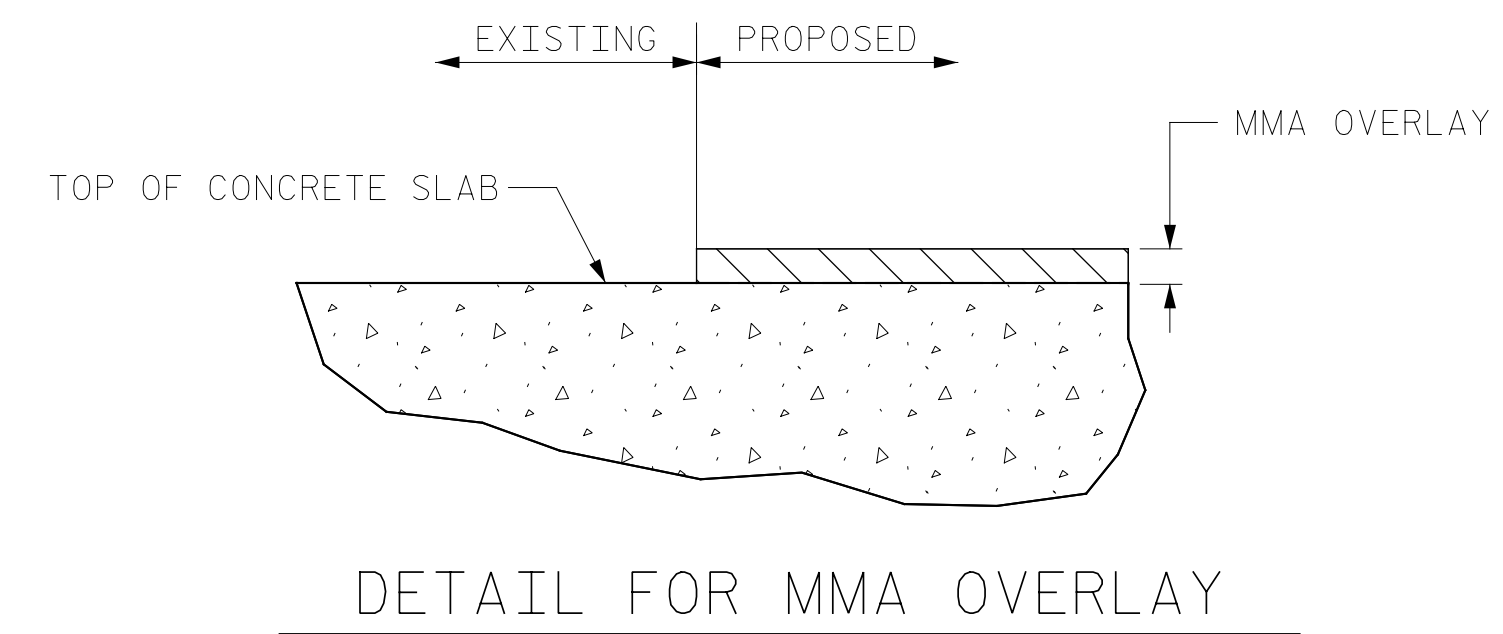
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(HALF SECTION AT INTERIOR FLOOR BEAM- THRU SPAN)
(PROPOSED)



TYPICAL SECTION - C
(DIAPHRAGM AT BENTS - TYPE F SPAN)
(PROPOSED)



PAY LIMITS FOR OVERLAY BID ITEMS



DETAIL FOR MMA OVERLAY

NOTE:
SEE TRANSPORTATION MANAGEMENT PLANS FOR TRAFFIC STAGING AND WORK ZONE DIMENSIONS.

ELASTOMERIC CONCRETE HEADER

ELASTOMERIC CONCRETE HEADER

ELASTOMERIC CONCRETE HEADER

DRAWN BY: M.A. LEE DATE: 3/2019
CHECKED BY: R. NELSON DATE: 4/2019

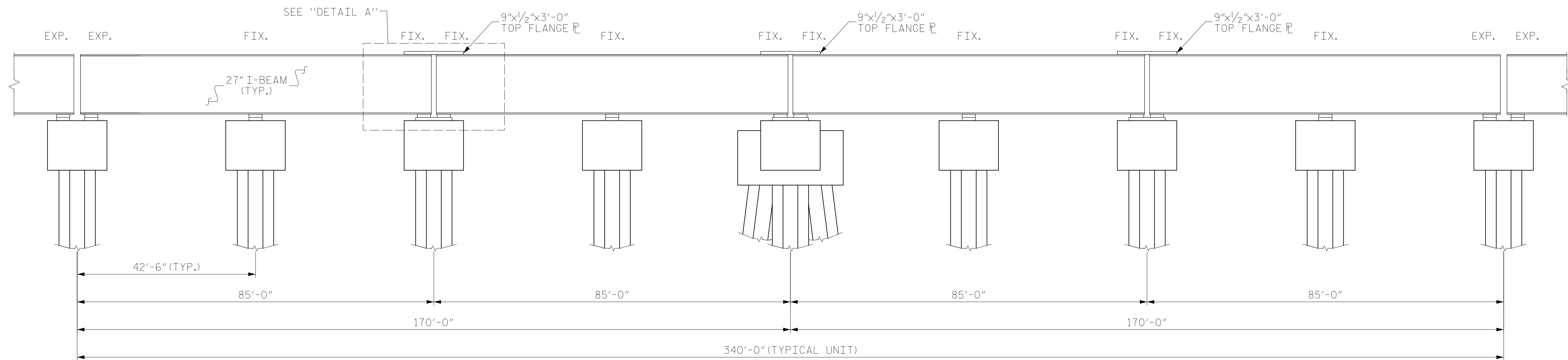
GANNETT FLEMING
One Glenwood Avenue
Suite 900
Raleigh, NC 27603
(919) 420-7660
NC Lic. No. F-0270

DocuSigned by:
Eric B. Nelson Jr.
7/14/2022
ACB892119714CD...

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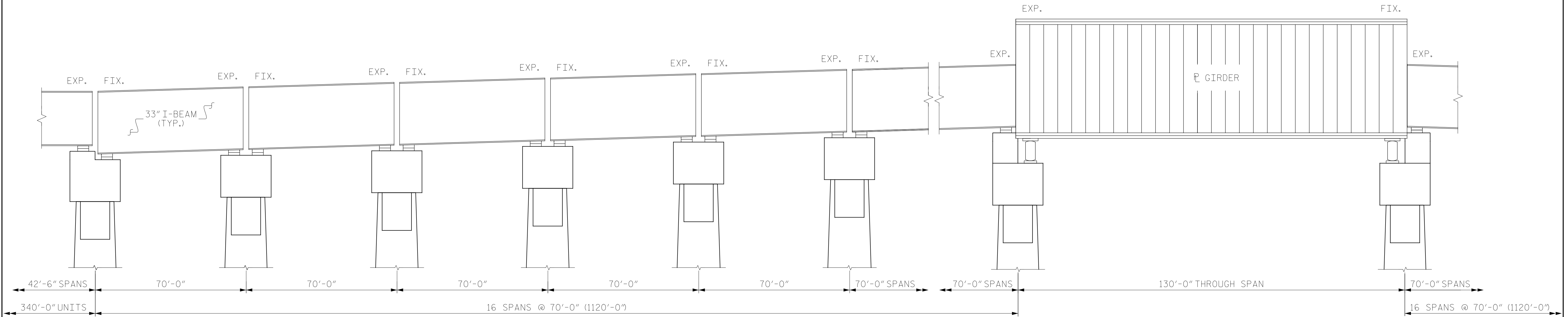
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| STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH | | | | | |
| TYPICAL SECTION & OVERLAY DETAILS | | | | | |
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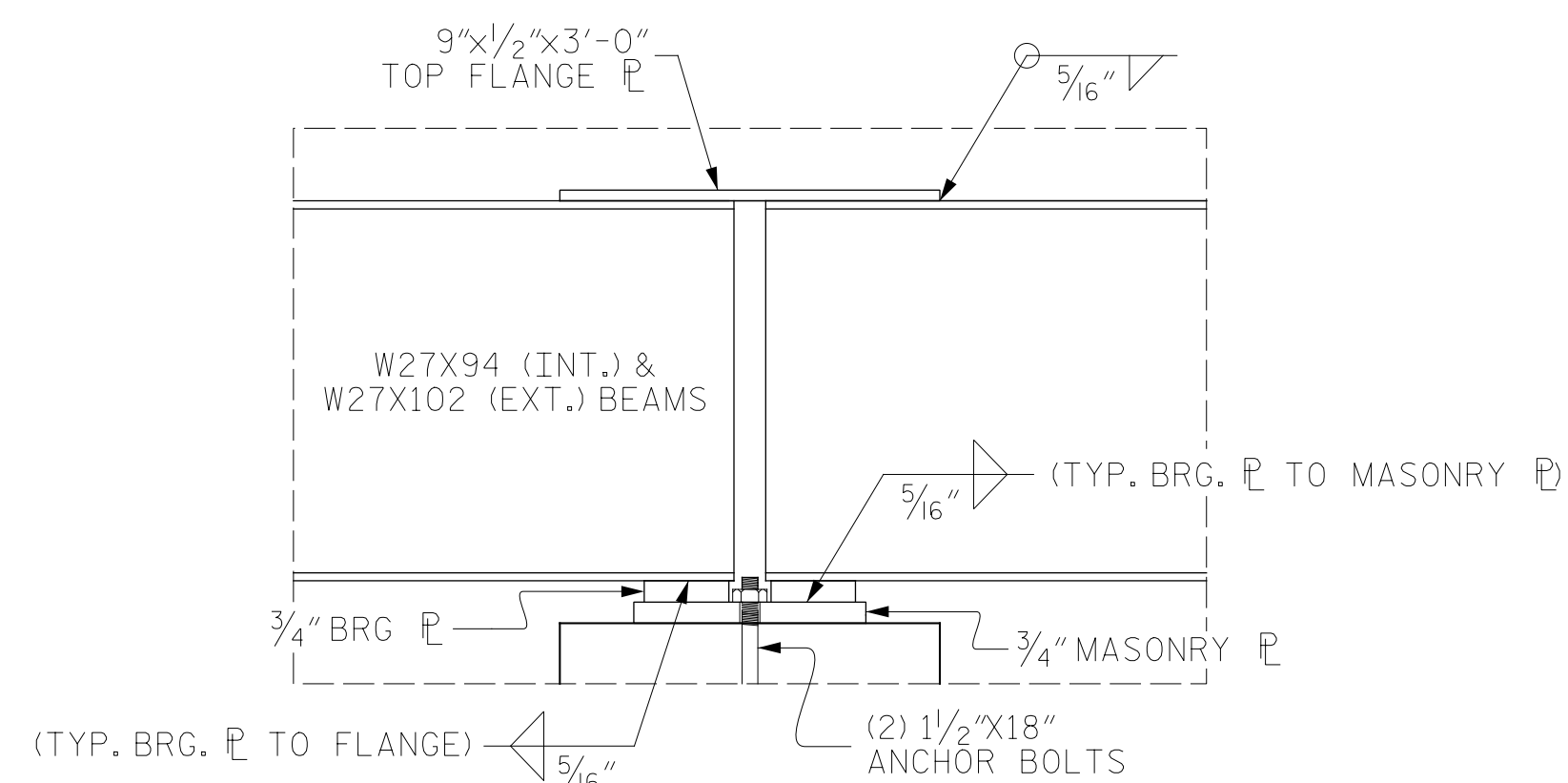
EXISTING TYPICAL LOW LEVEL SPAN UNIT ELEVATION

(TYPICAL 8 SPAN CONTINUOUS UNIT FOR SPANS 2 THRU 121 (WEST APPROACH) AND 155 THRU 312 (EAST APPROACH). UNITS FOR EAST APPROACH INCLUDE 2 BRACED BENTS AND A 6 SPAN UNIT FOR SPANS 195 THRU 200.)



EXISTING HIGH LEVEL SPAN UNIT ELEVATION

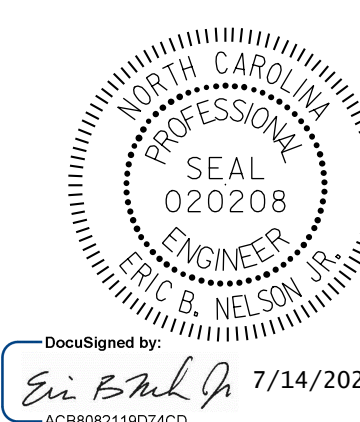
(TYPICAL SIMPLE SPANS)



DETAIL A

(EXISTING CONDITION-FOR INFORMATION ONLY)

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

TYPICAL
 BRIDGE SPAN UNITS

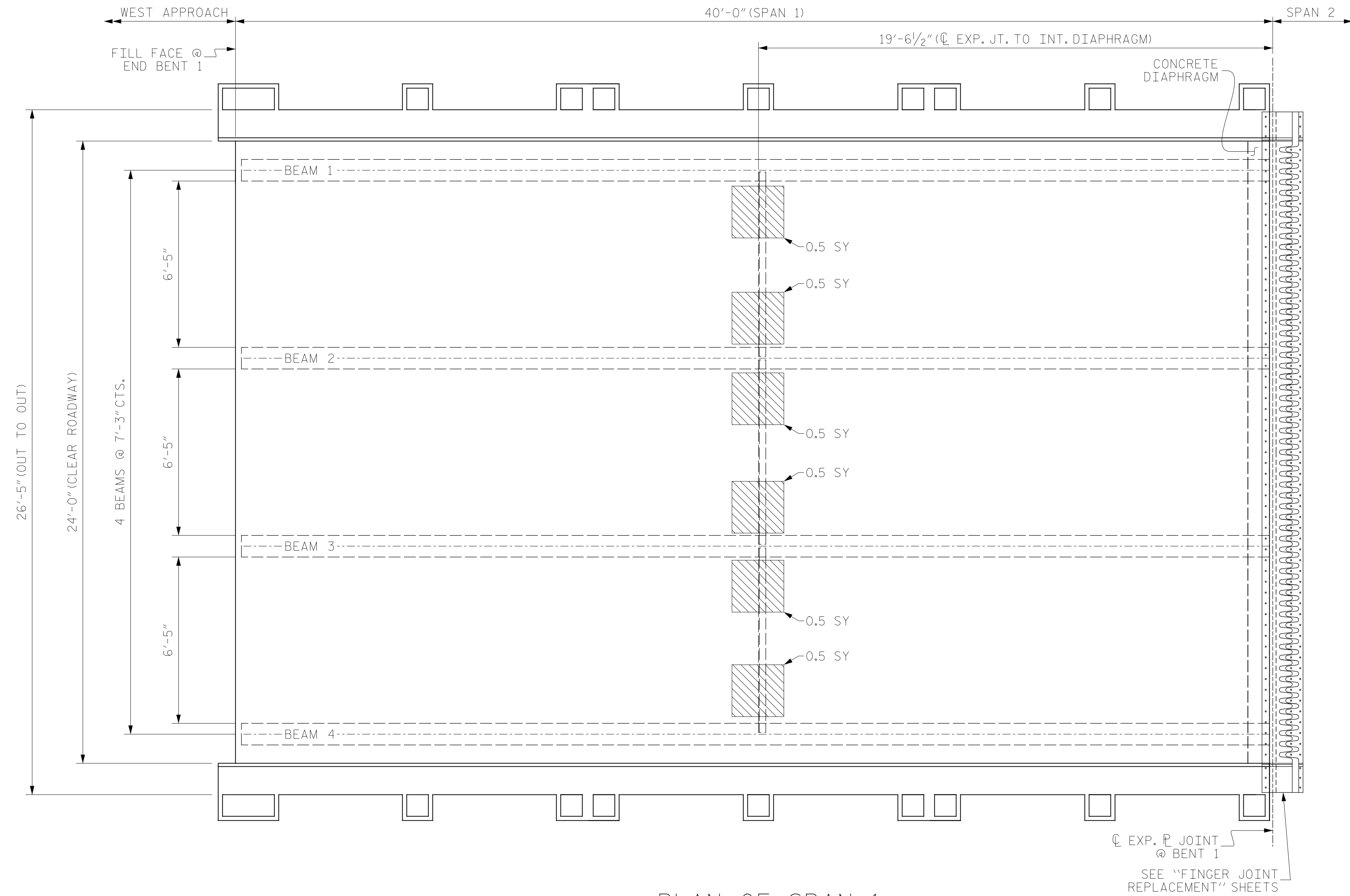
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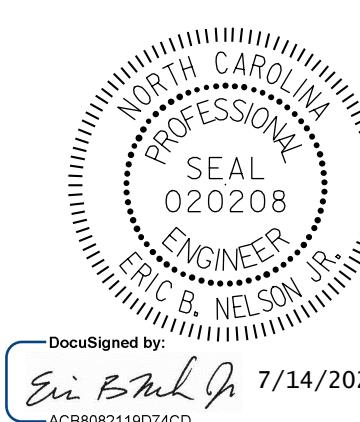
| SUMMARY OF QUANTITIES FOR SPAN 1 | | |
|--------------------------------------|----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | 3.0 SY | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | 14.7 CF | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 105.5 SY | |
| MMA OVERLAY SYSTEM | 949.0 SF | |



PLAN OF SPAN 1

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPAN 1

NOTE:

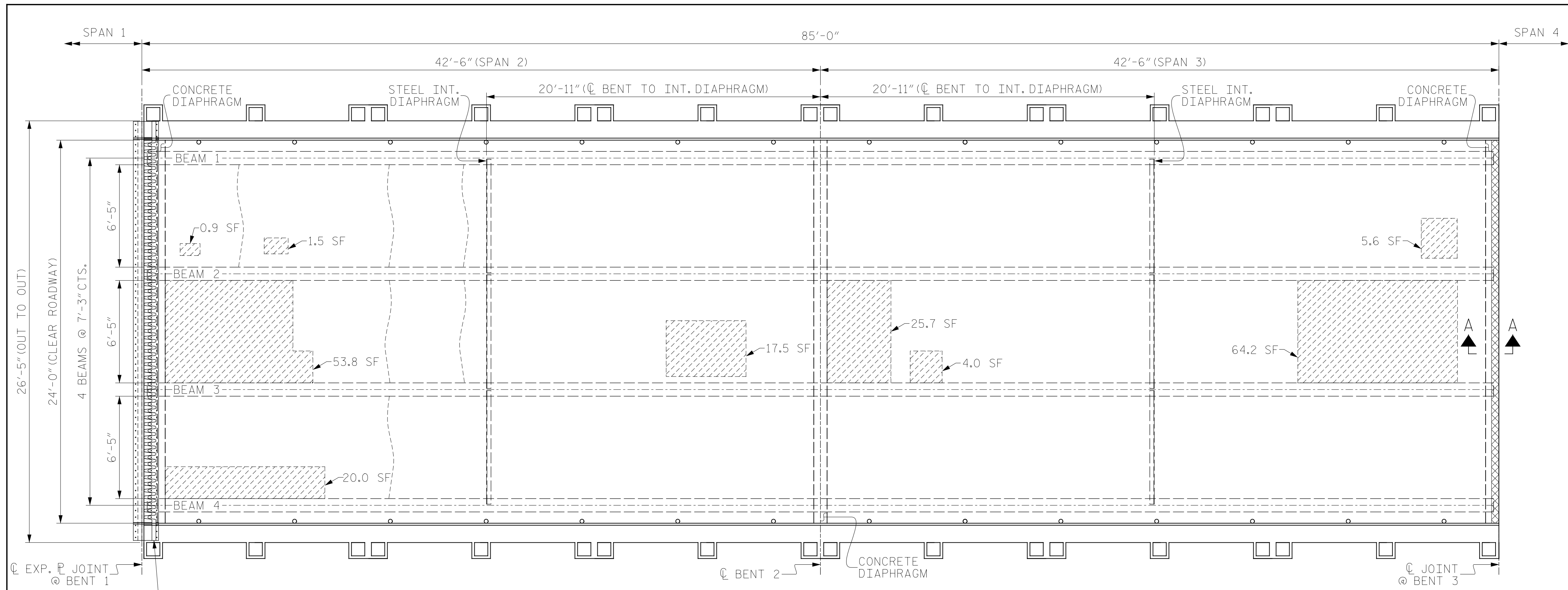
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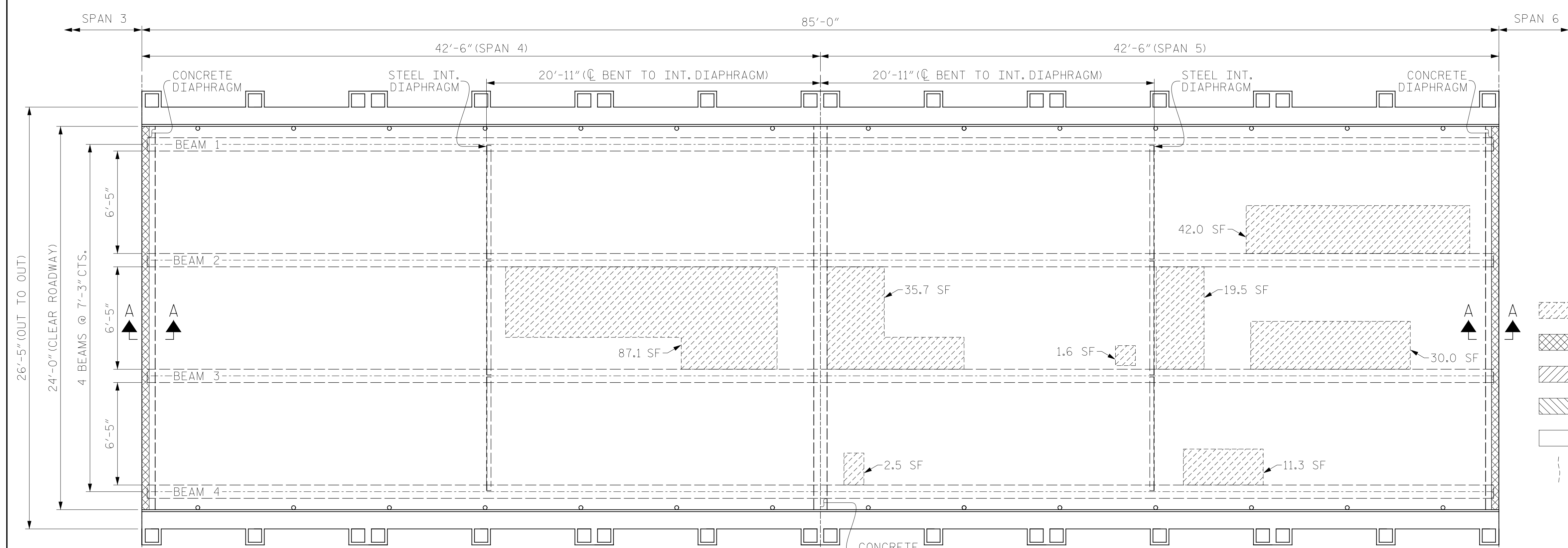
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PLAN OF SPAN 2

PLAN OF SPAN 3



PLAN OF SPAN 4

PLAN OF SPAN 5

| SUMMARY OF QUANTITIES FOR SPAN 2 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 31.2 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

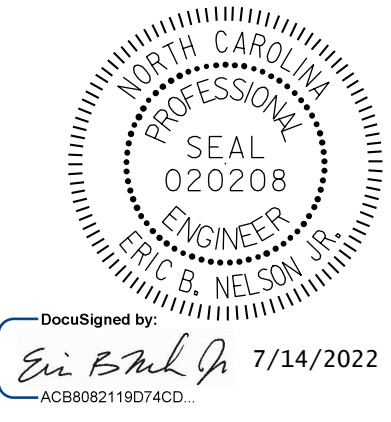
| SUMMARY OF QUANTITIES FOR SPAN 3 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 33.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 4 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 29.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 5 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 47.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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STATE OF NORTH CAROLINA
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 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 2 THRU 5

NOTE:

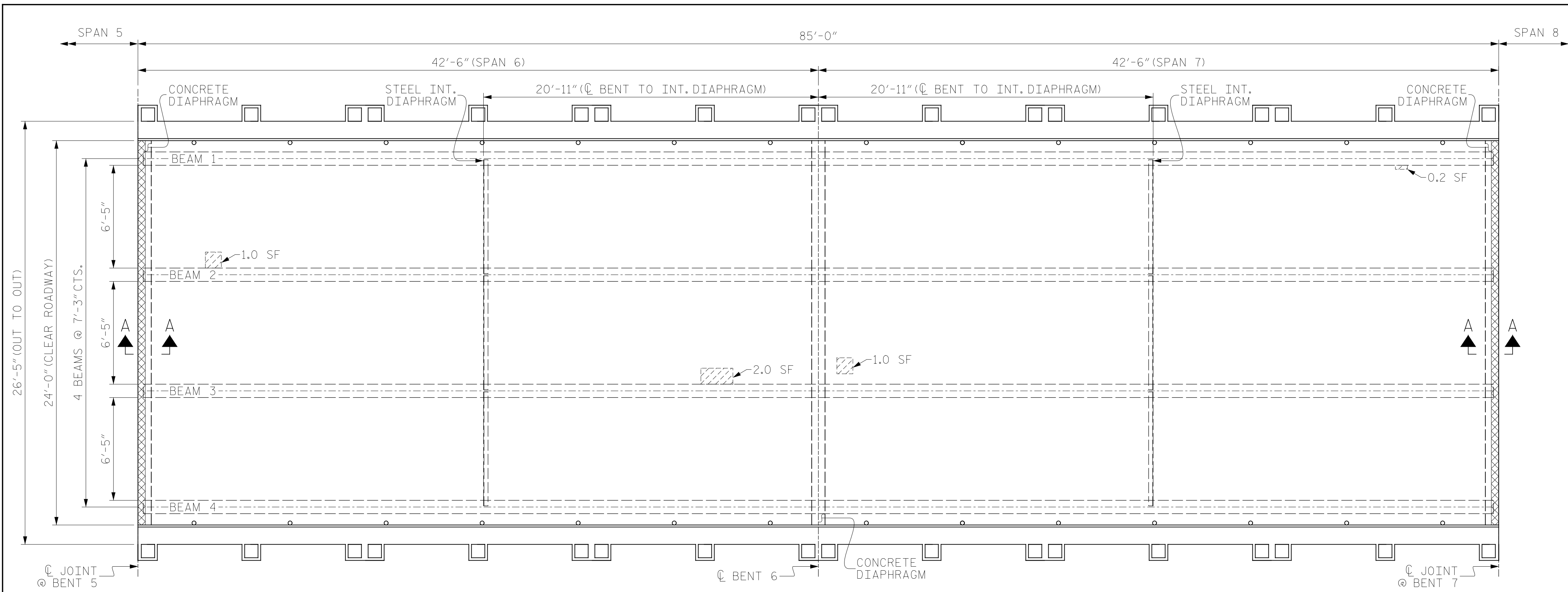
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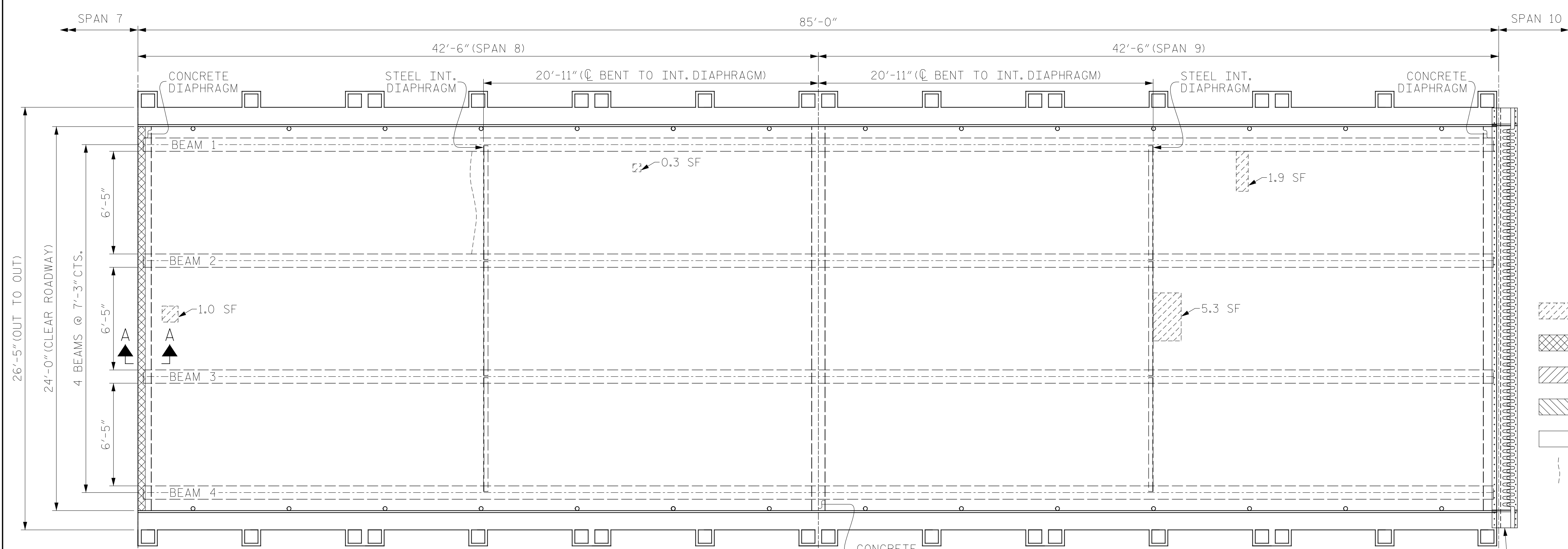
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PLAN OF SPAN 6

PLAN OF SPAN 7



PLAN OF SPAN 8

PLAN OF SPAN 9

| SUMMARY OF QUANTITIES FOR SPAN 6 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 7 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 8 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 9 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.4 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 6 THRU 9

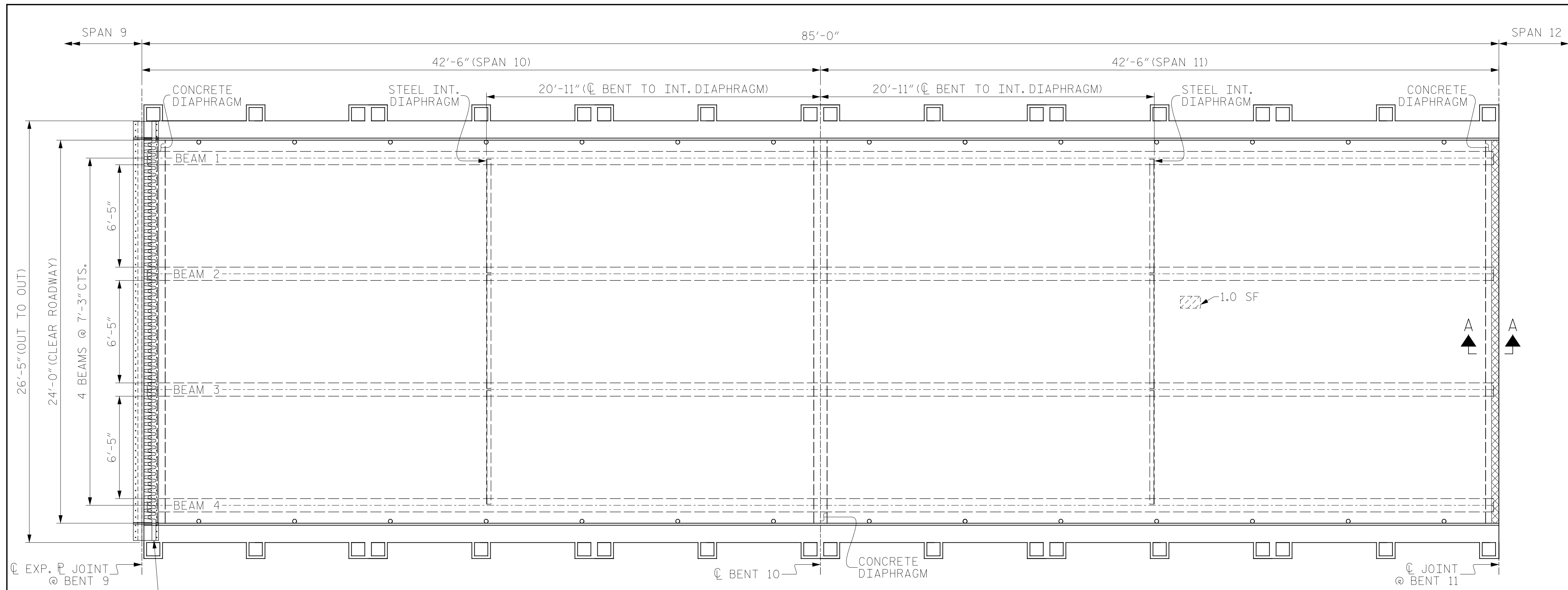
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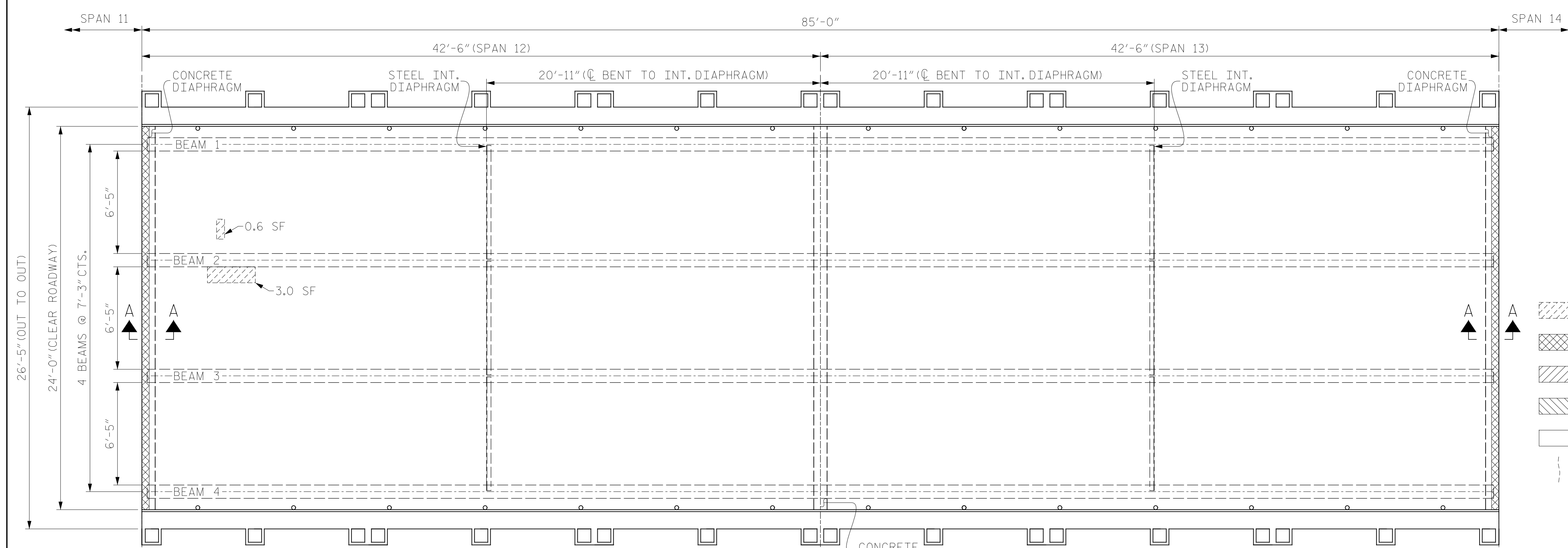
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PLAN OF SPAN 10

PLAN OF SPAN 11



PLAN OF SPAN 12

PLAN OF SPAN 13

| SUMMARY OF QUANTITIES FOR SPAN 10 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

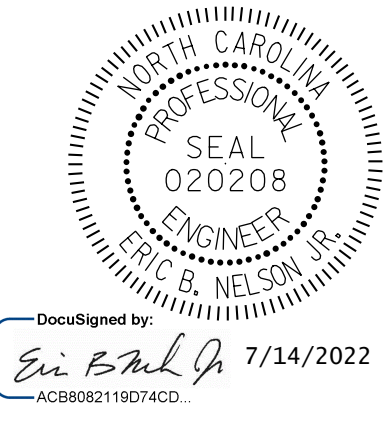
| SUMMARY OF QUANTITIES FOR SPAN 11 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 12 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.2 | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 13 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 10 THRU 13

NOTE:

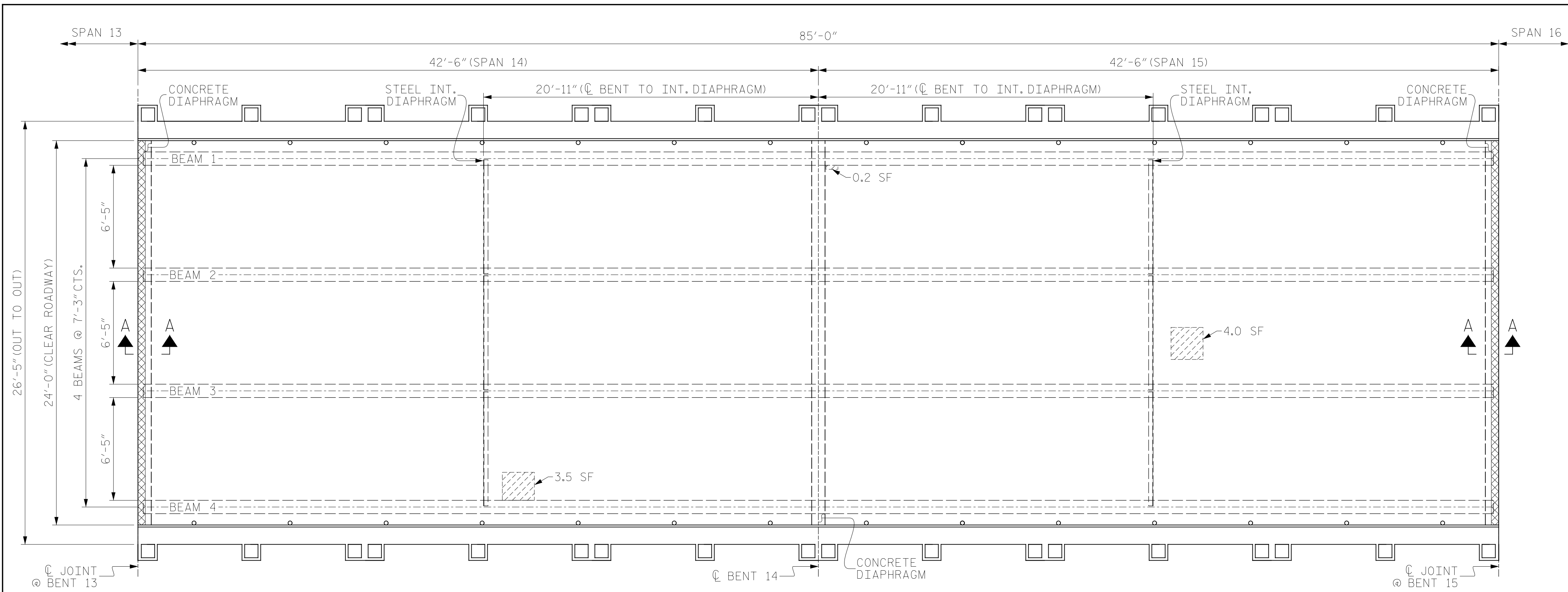
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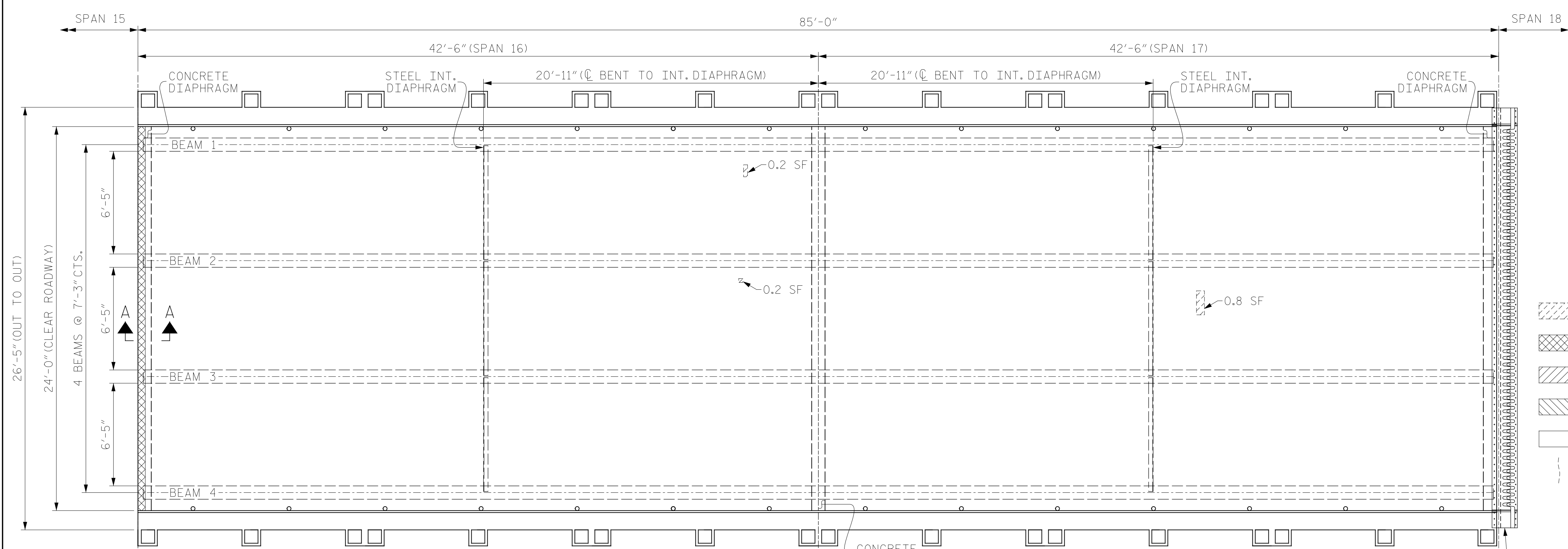
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PLAN OF SPAN 14

PLAN OF SPAN 15



PLAN OF SPAN 16

PLAN OF SPAN 17

| SUMMARY OF QUANTITIES FOR SPAN 14 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

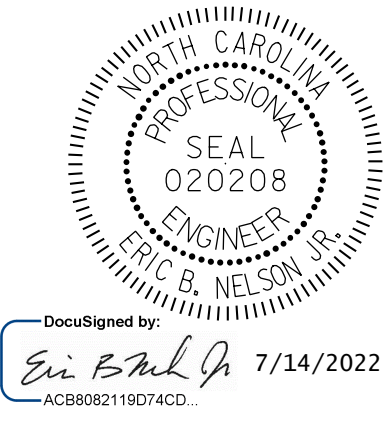
| SUMMARY OF QUANTITIES FOR SPAN 15 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 16 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.1 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 17 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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STATE OF NORTH CAROLINA
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 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 14 THRU 17

NOTE:

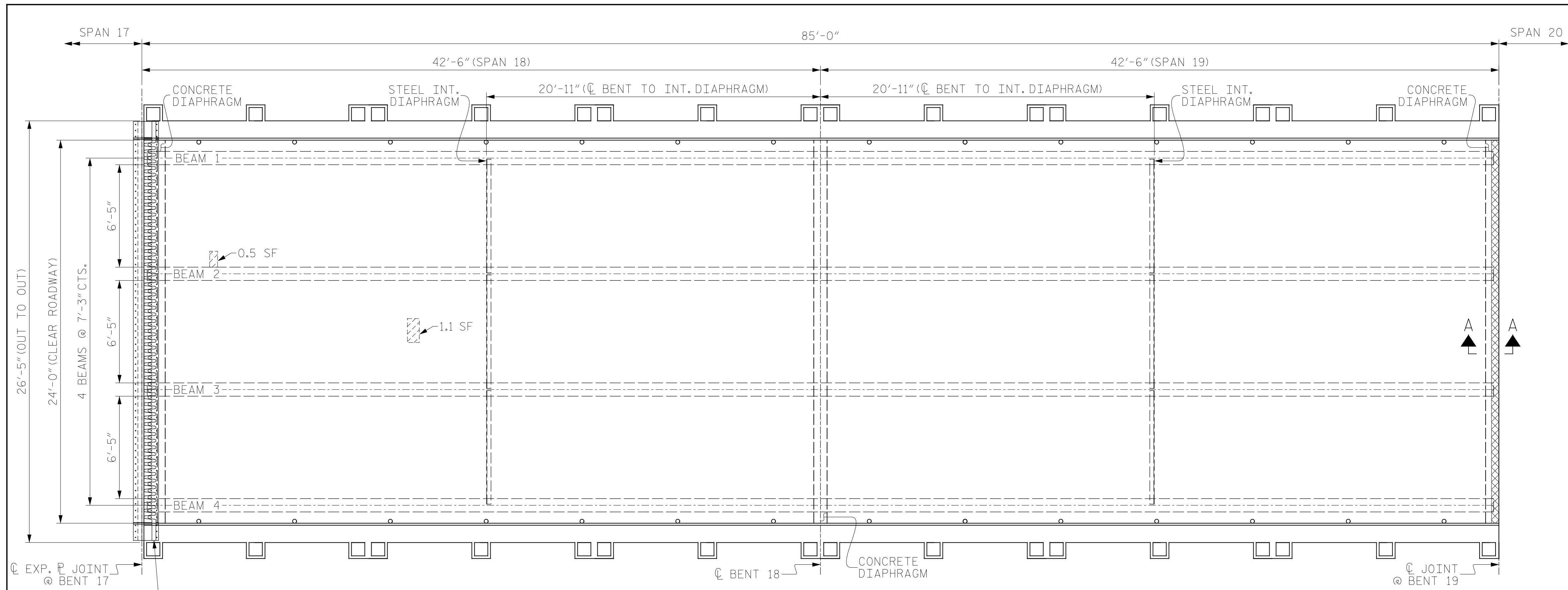
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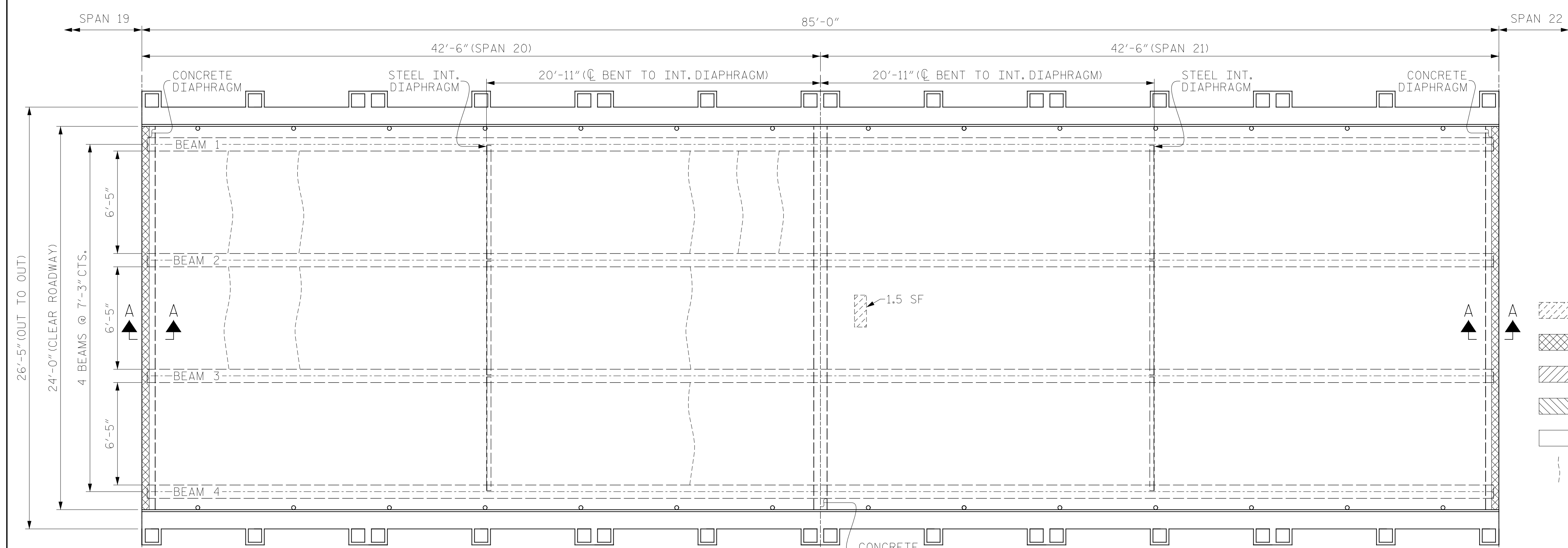
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PLAN OF SPAN 18

PLAN OF SPAN 19



PLAN OF SPAN 20

PLAN OF SPAN 21

| SUMMARY OF QUANTITIES FOR SPAN 18 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.5 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 19 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 20 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 57.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 21 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 18 THRU 21

NOTE:

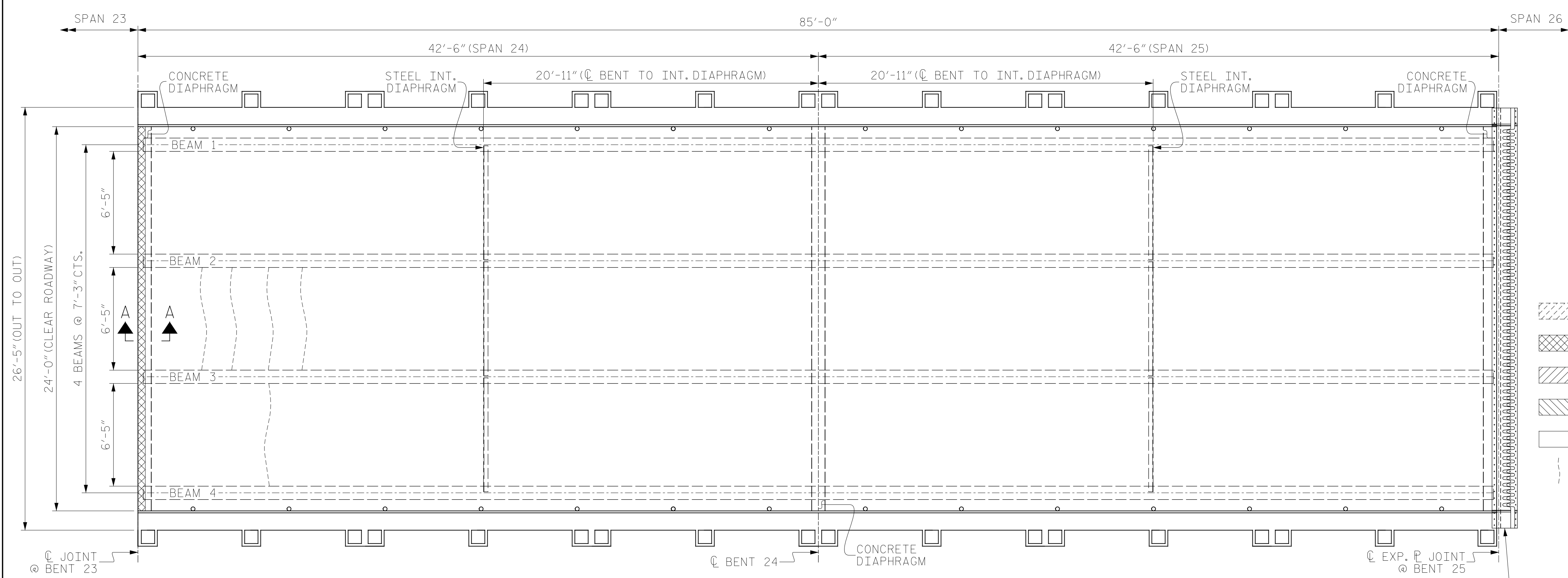
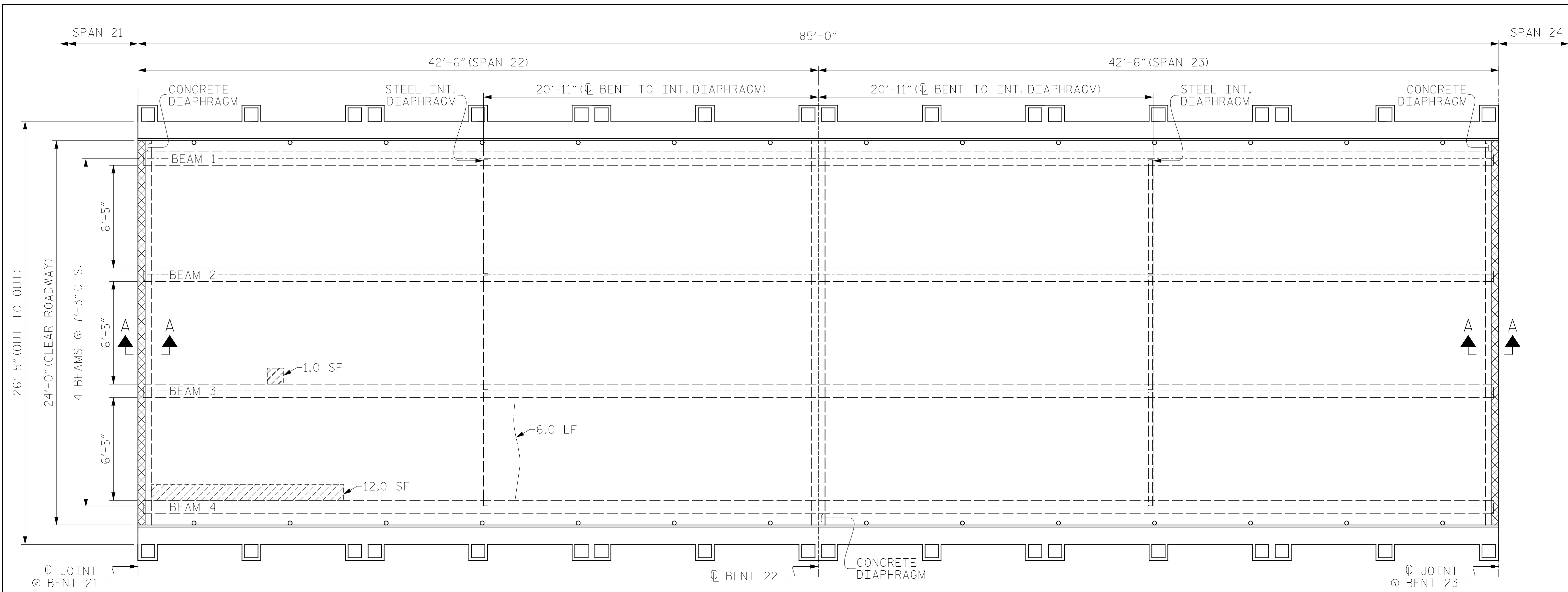
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| SUMMARY OF QUANTITIES FOR SPAN 22 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.0 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

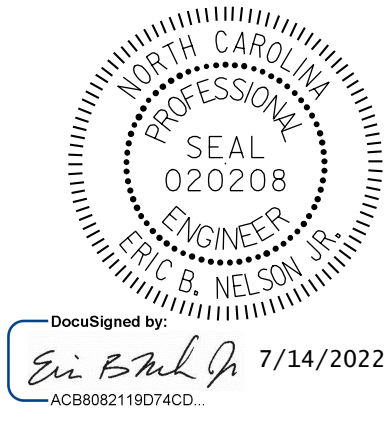
| SUMMARY OF QUANTITIES FOR SPAN 23 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 24 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 25 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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SURFACE PREPARATION & UNDERDECK REPAIRS SPANS 22 THRU 25

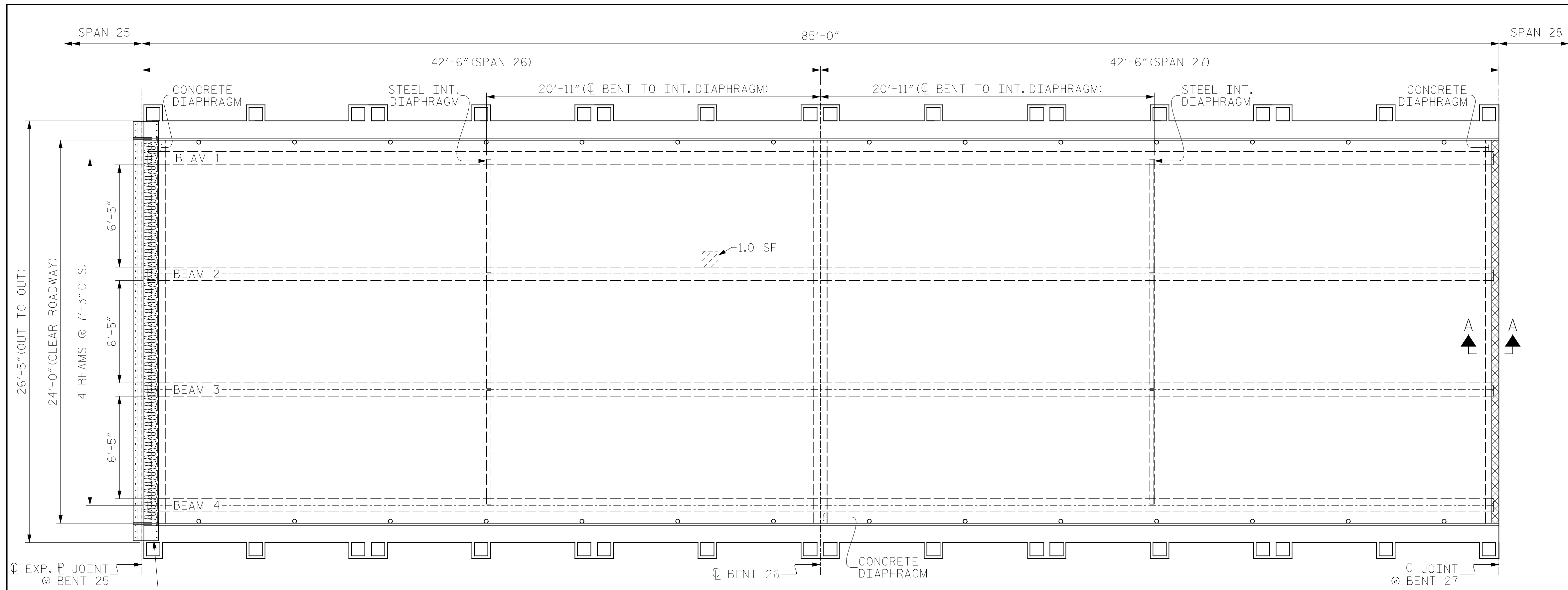
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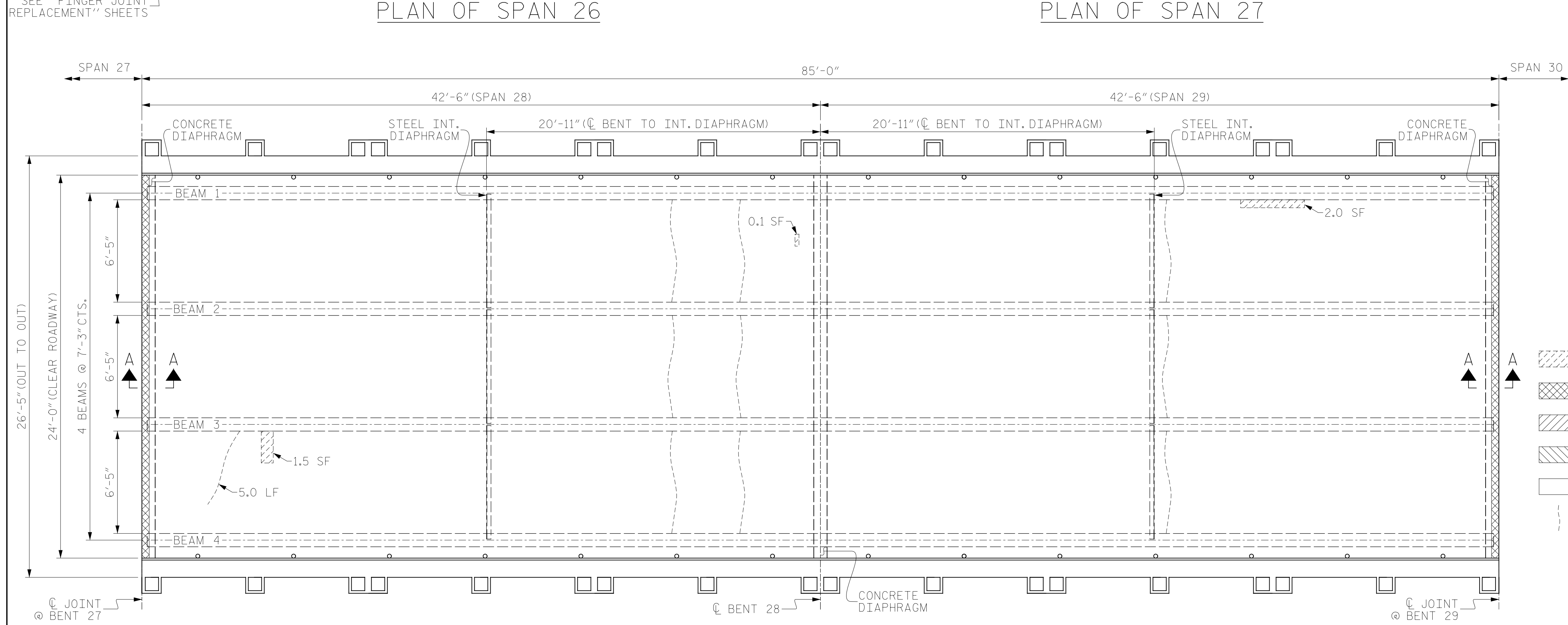
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| SUMMARY OF QUANTITIES FOR SPAN 26 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 27 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 28 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 43.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 29 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 COUNTY DARE
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SURFACE PREPARATION & UNDERDECK REPAIRS SPANS 26 THRU 29

NOTE:

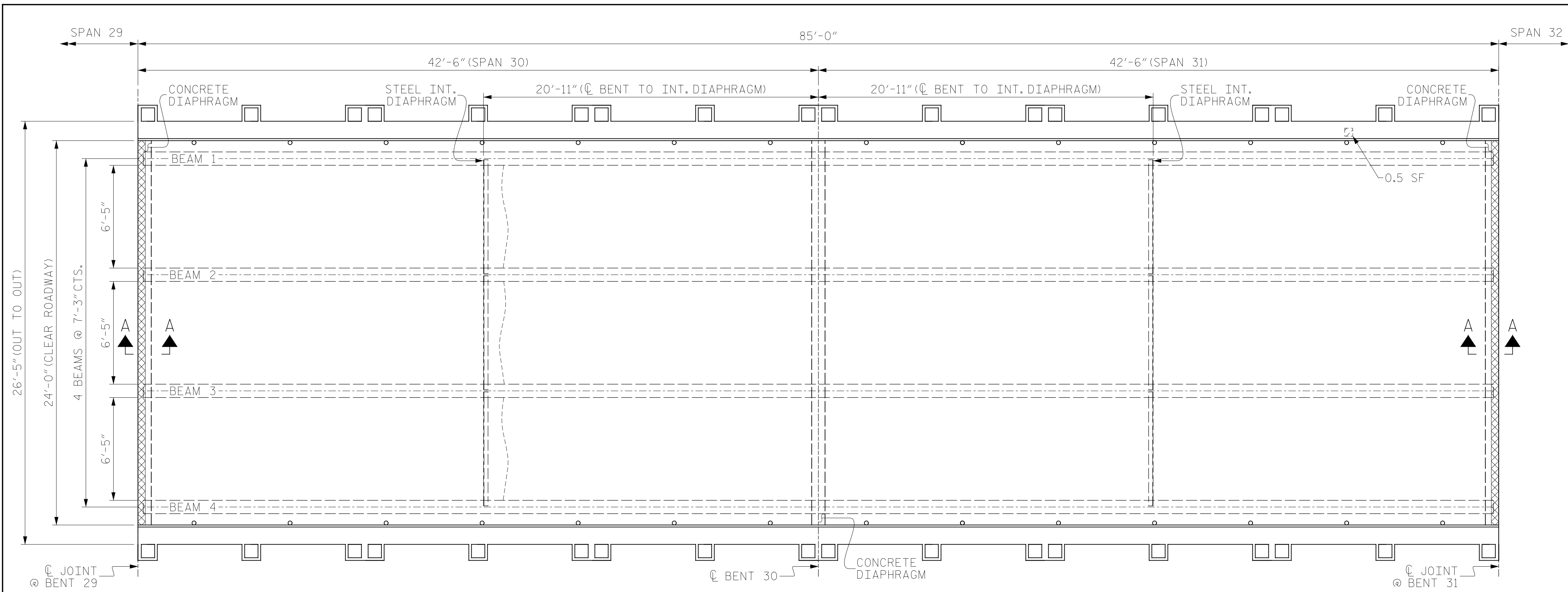
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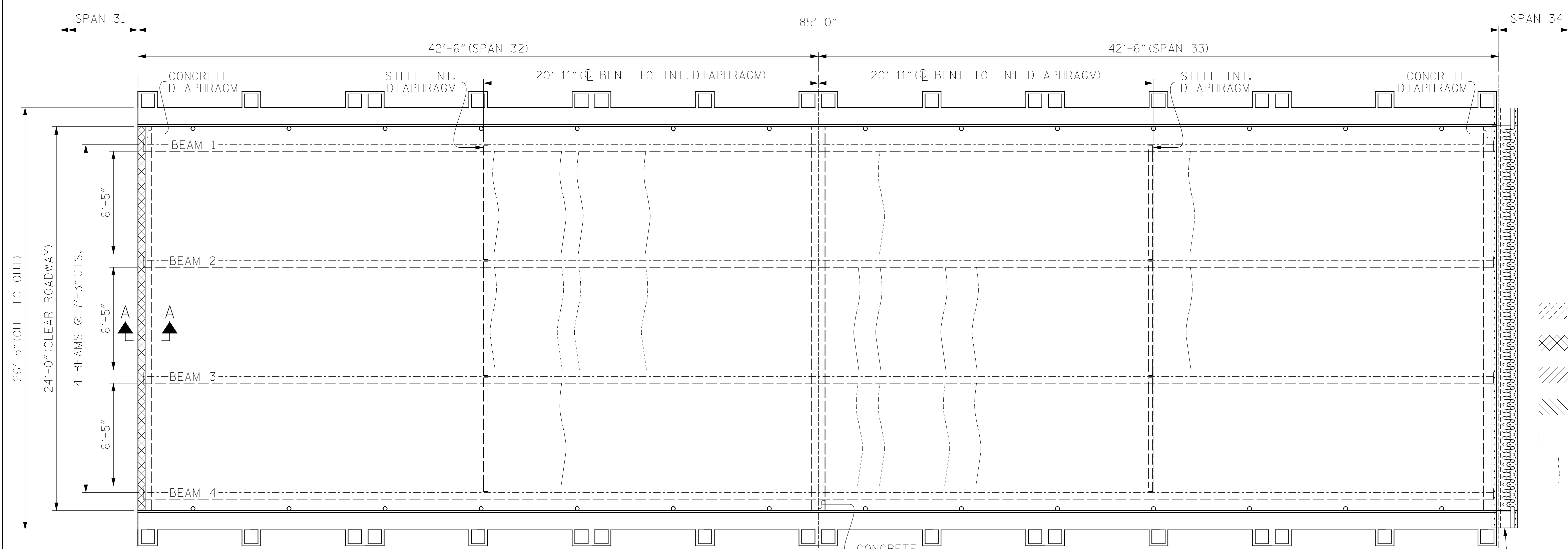
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PLAN OF SPAN 30

PLAN OF SPAN 31



PLAN OF SPAN 32

PLAN OF SPAN 33

| SUMMARY OF QUANTITIES FOR SPAN 30 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

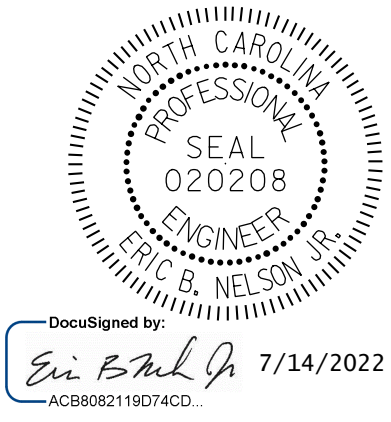
| SUMMARY OF QUANTITIES FOR SPAN 31 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 32 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 57.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 33 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 70.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 30 THRU 33

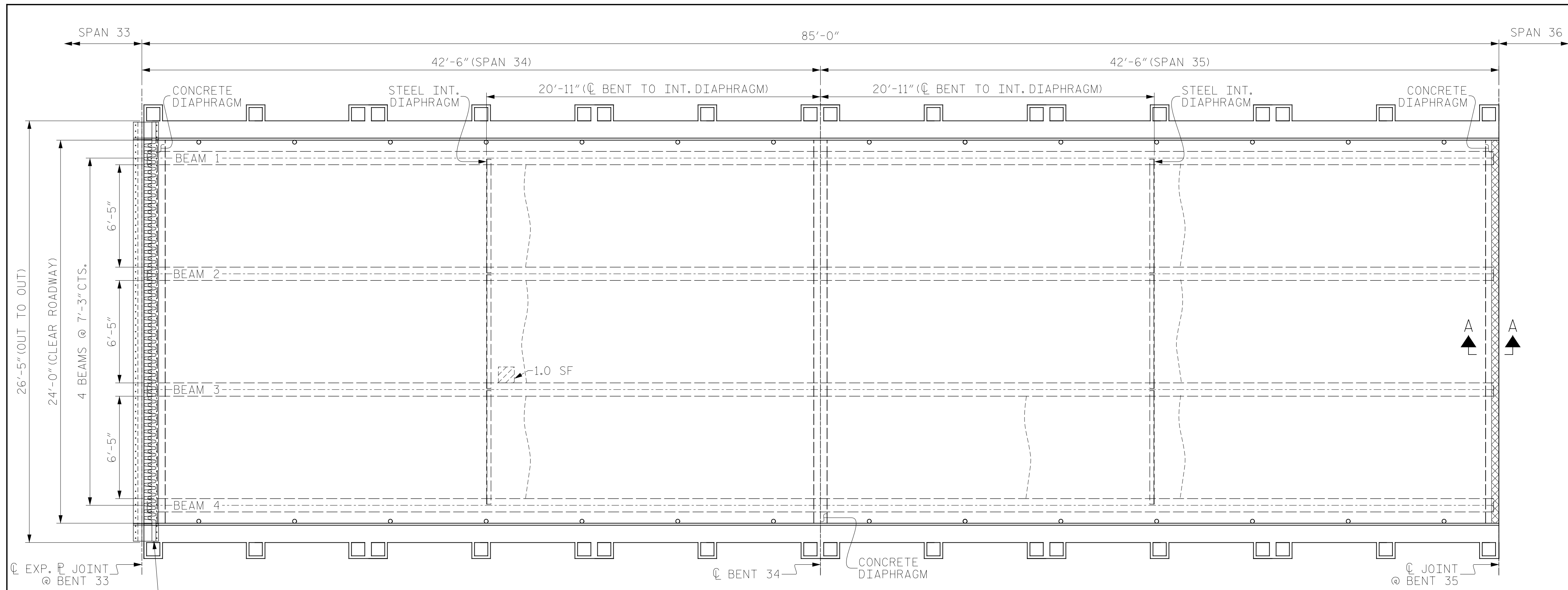
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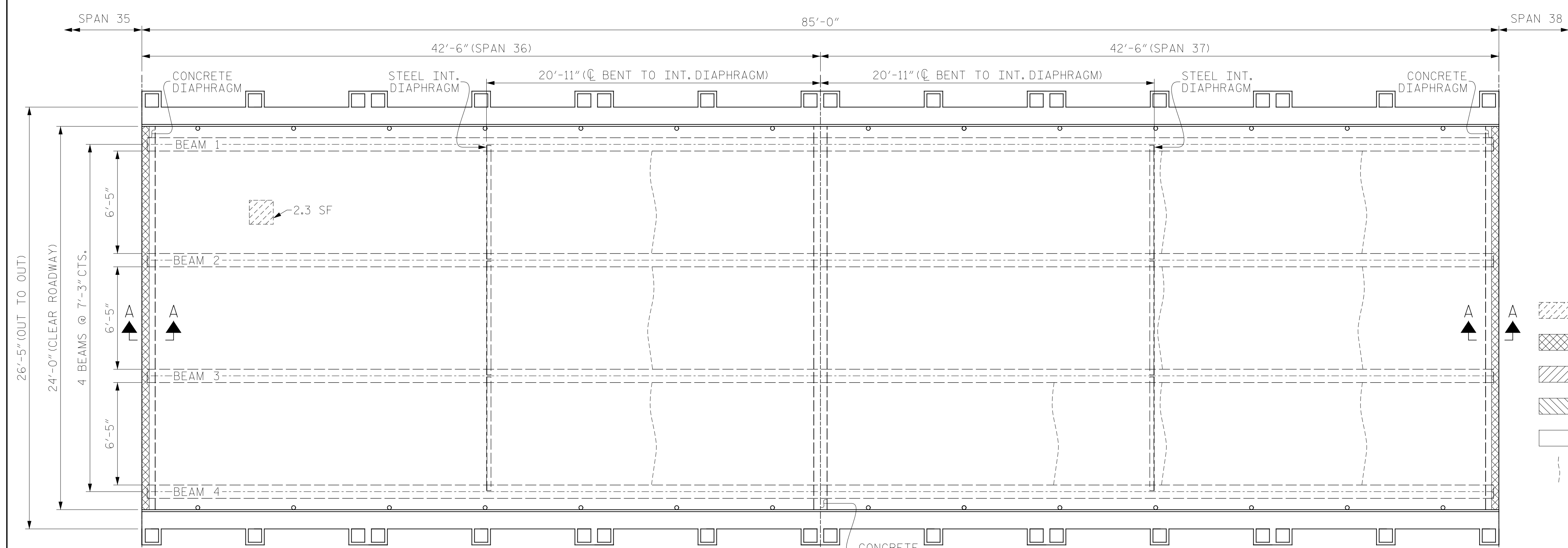
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PLAN OF SPAN 34

PLAN OF SPAN 35



PLAN OF SPAN 36

PLAN OF SPAN 37

| SUMMARY OF QUANTITIES FOR SPAN 34 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

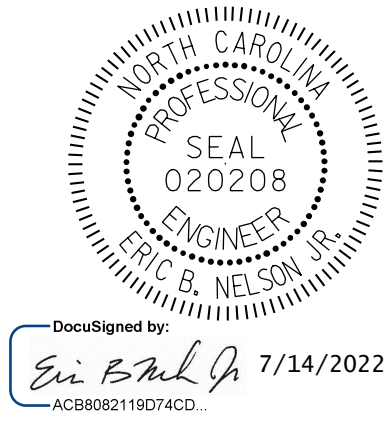
| SUMMARY OF QUANTITIES FOR SPAN 35 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 36 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 37 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 34 THRU 37

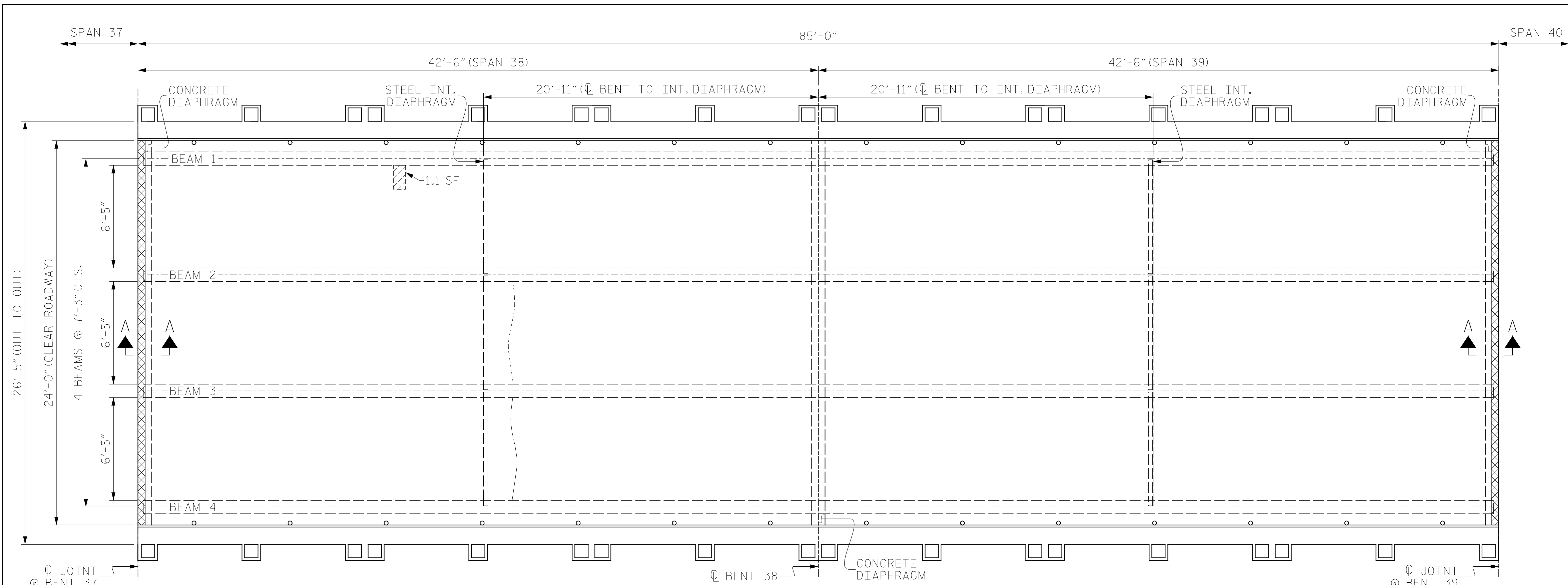
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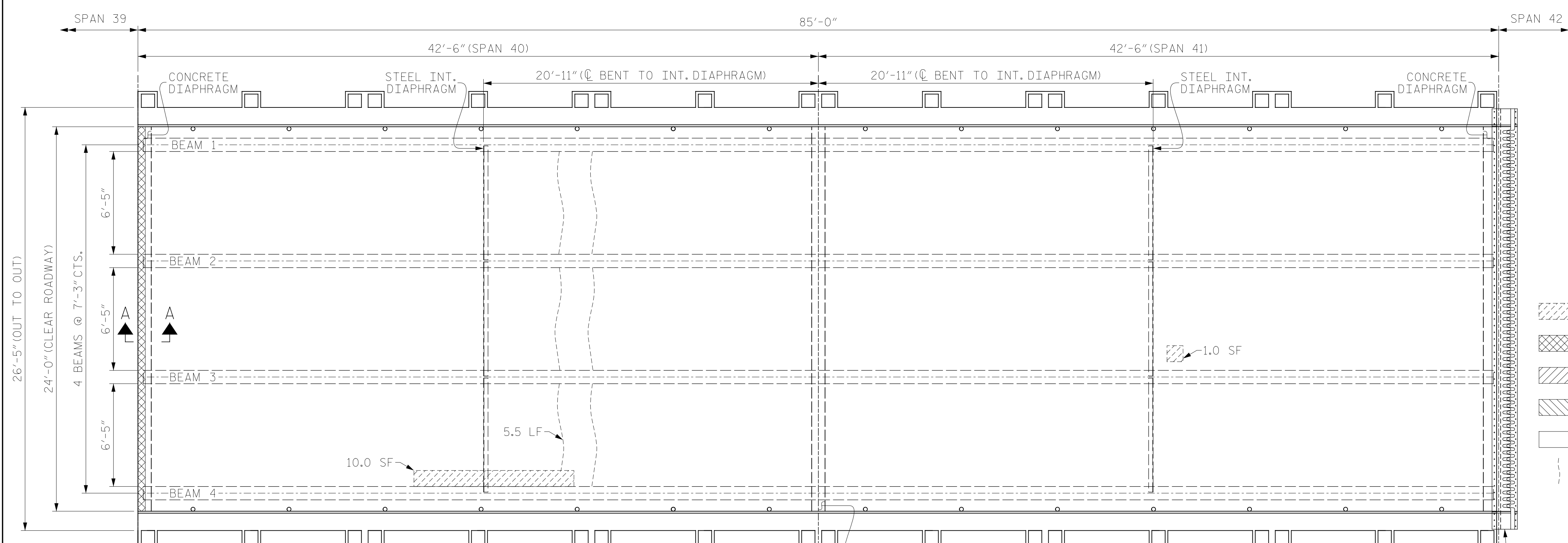
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| 1 | | | 3 | | | S-27 |
| 2 | | | 4 | | | TOTAL SHEETS 355 |



PLAN OF SPAN 38

PLAN OF SPAN 39



PLAN OF SPAN 40

PLAN OF SPAN 41

| SUMMARY OF QUANTITIES FOR SPAN 38 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

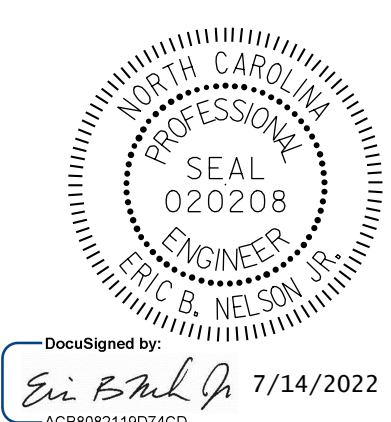
| SUMMARY OF QUANTITIES FOR SPAN 39 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 40 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 37.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 41 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 38 THRU 41

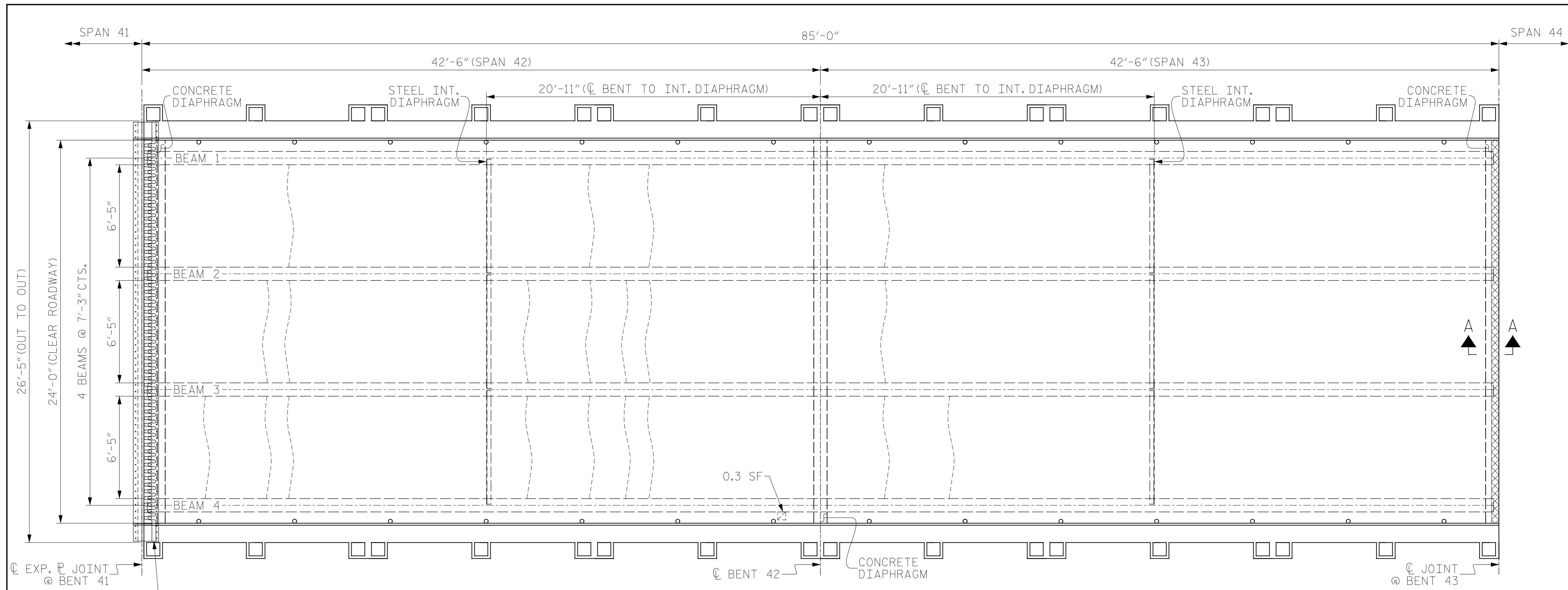
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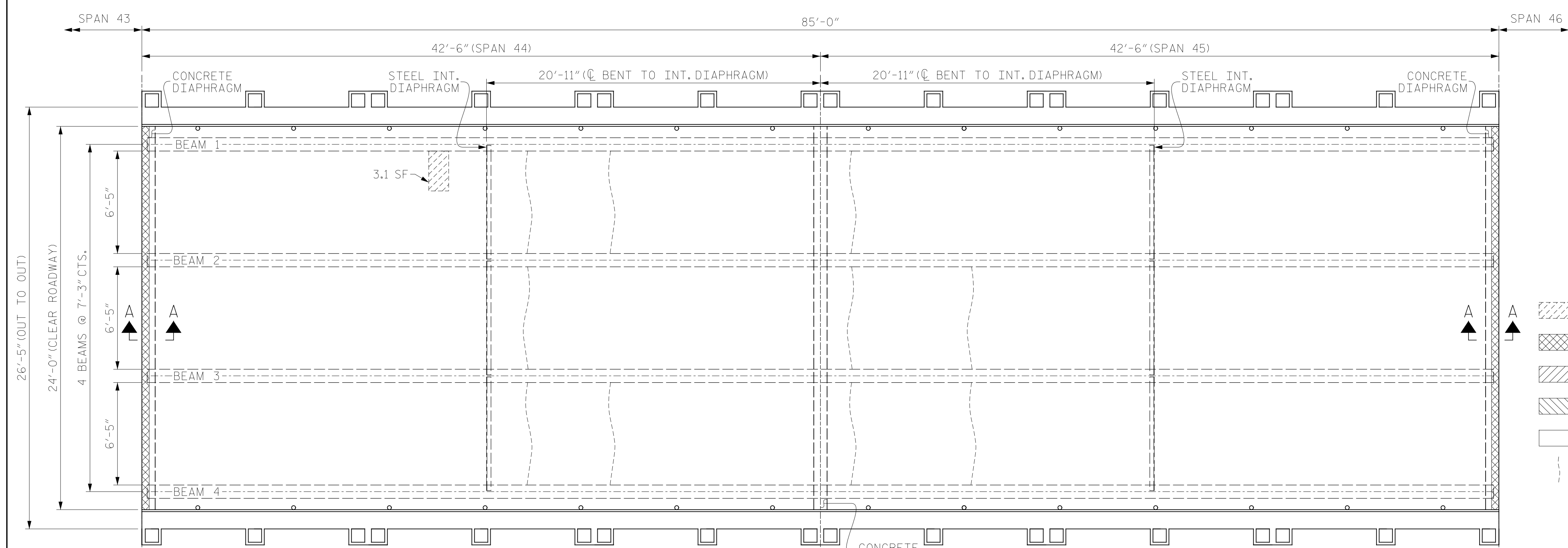
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PLAN OF SPAN 42

PLAN OF SPAN 43



PLAN OF SPAN 44

PLAN OF SPAN 45

| SUMMARY OF QUANTITIES FOR SPAN 42 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.1 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 102.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

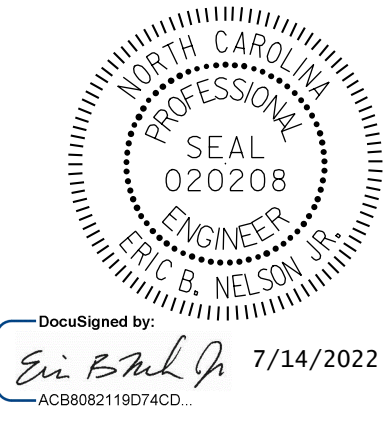
| SUMMARY OF QUANTITIES FOR SPAN 43 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 44 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 45 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
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 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 42 THRU 45

NOTE:

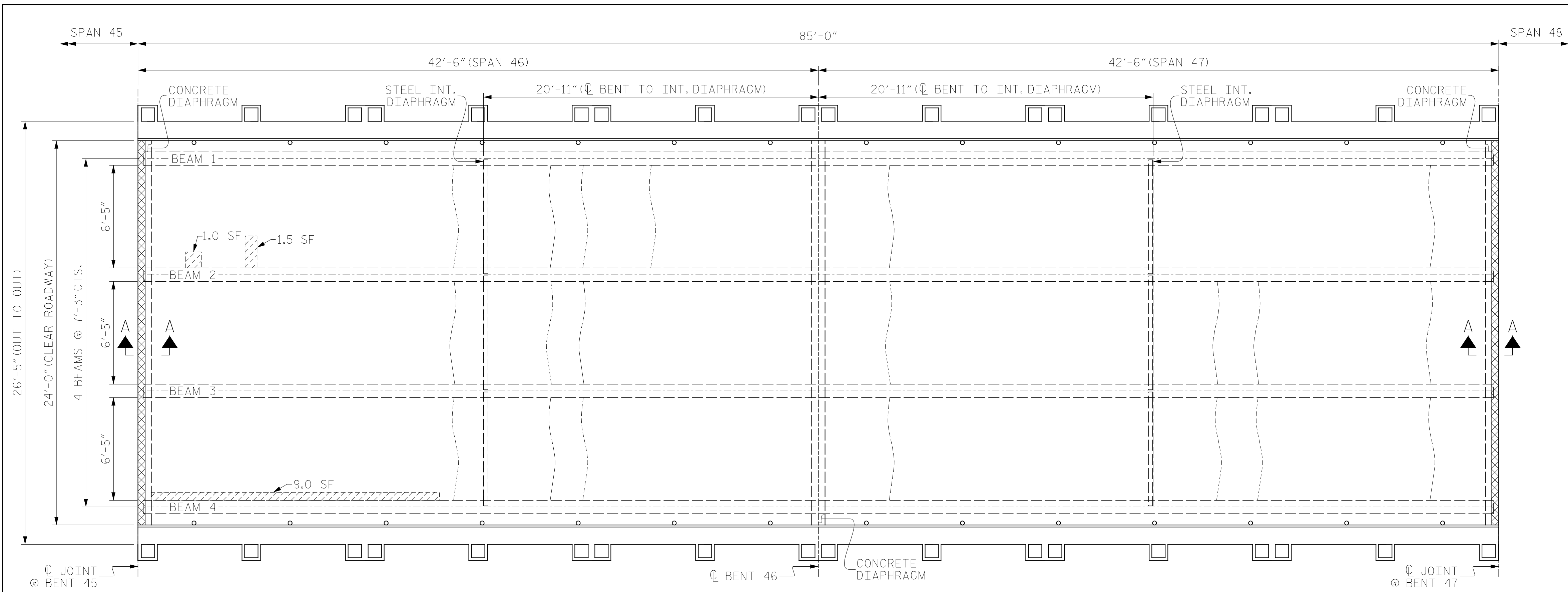
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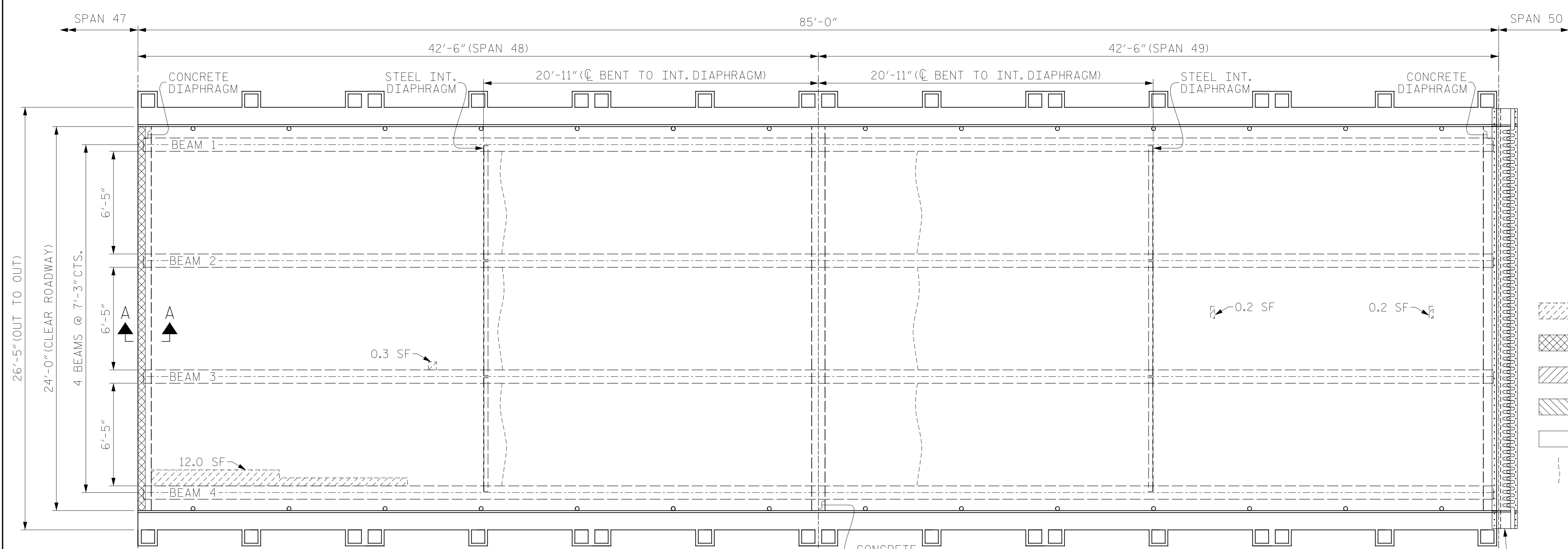
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PLAN OF SPAN 46

PLAN OF SPAN 47



PLAN OF SPAN 48

PLAN OF SPAN 49

| SUMMARY OF QUANTITIES FOR SPAN 46 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 64.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

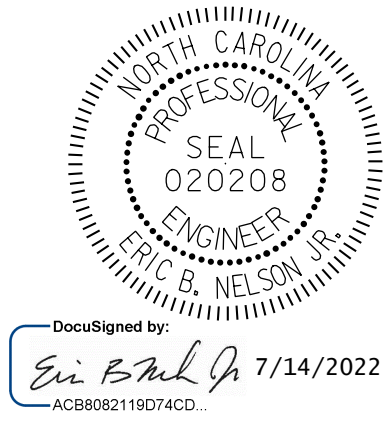
| SUMMARY OF QUANTITIES FOR SPAN 47 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 64.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 48 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.1 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 49 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.1 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
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 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 46 THRU 49

NOTE:

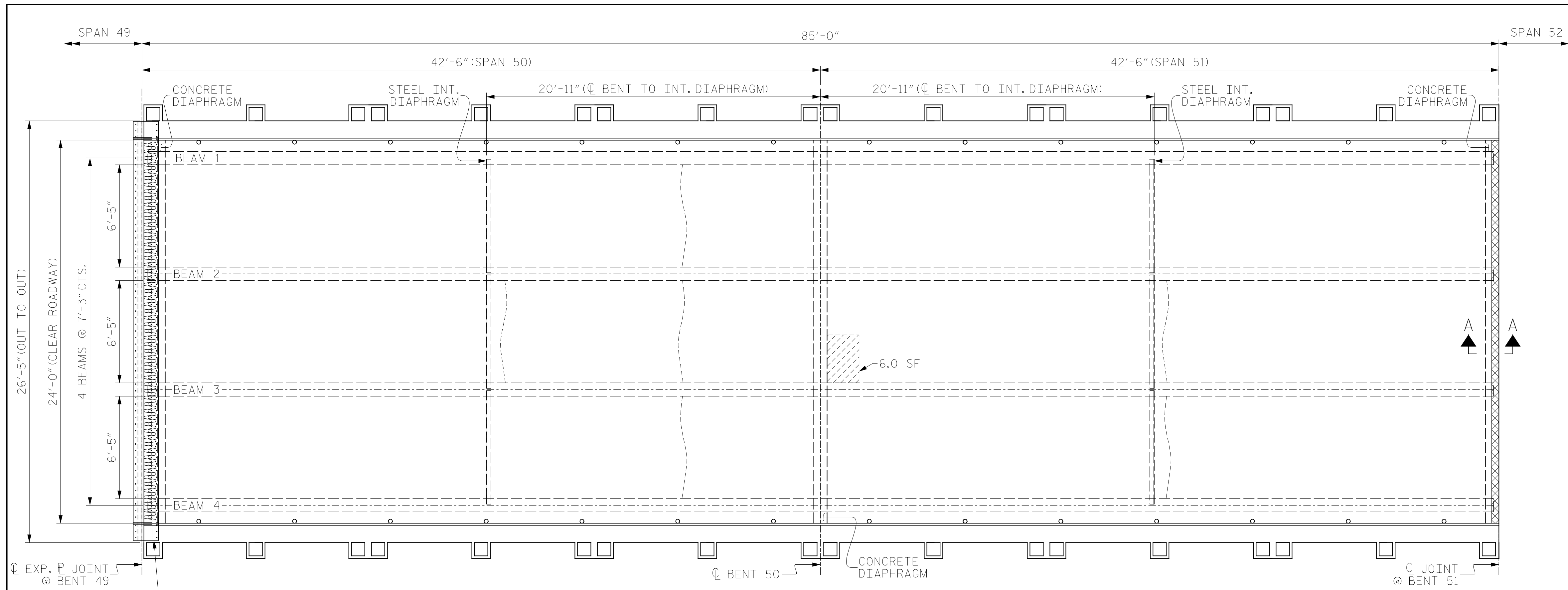
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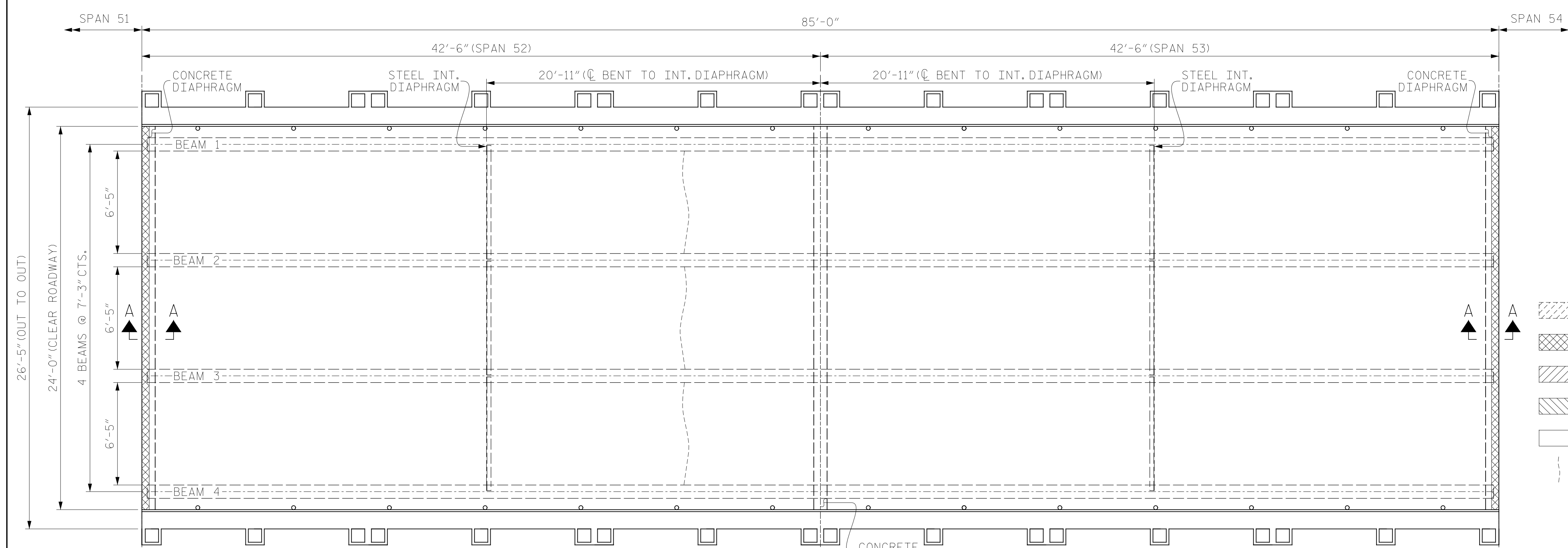
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PLAN OF SPAN 50

PLAN OF SPAN 51



PLAN OF SPAN 52

PLAN OF SPAN 53

| SUMMARY OF QUANTITIES FOR SPAN 50 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 51 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 52 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 53 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 50 THRU 53

NOTE:

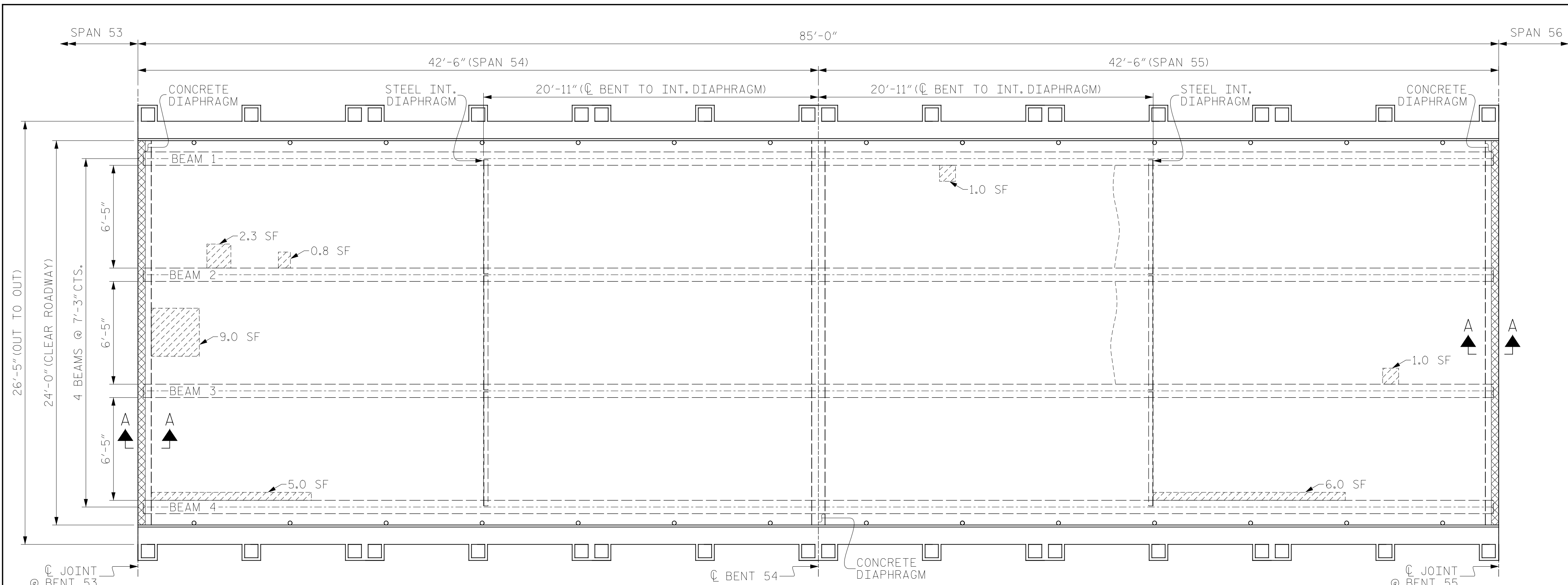
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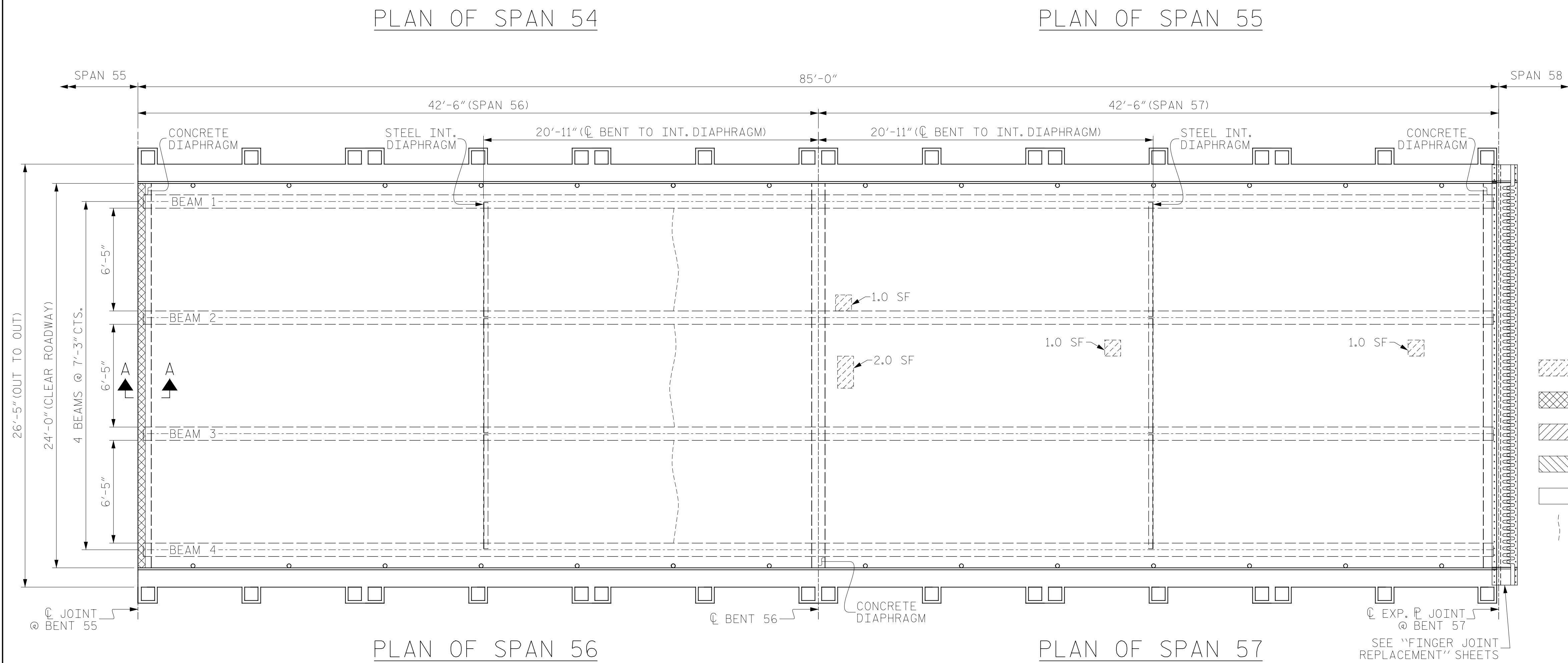
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| 2 | | | 4 | | | TOTAL SHEETS 355 |



| SUMMARY OF QUANTITIES FOR SPAN 54 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 5.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 55 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

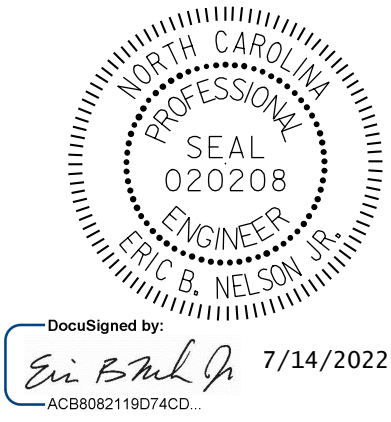
| SUMMARY OF QUANTITIES FOR SPAN 56 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 57 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.7 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 54 THRU 57

NOTE:

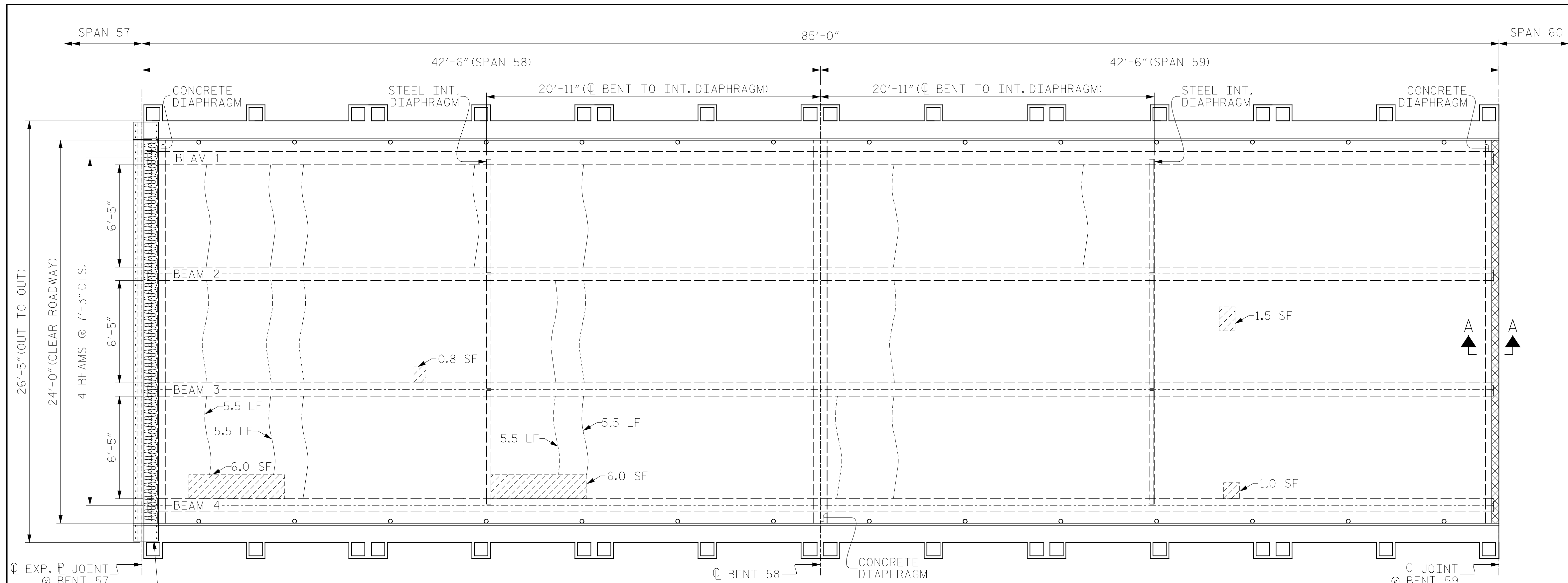
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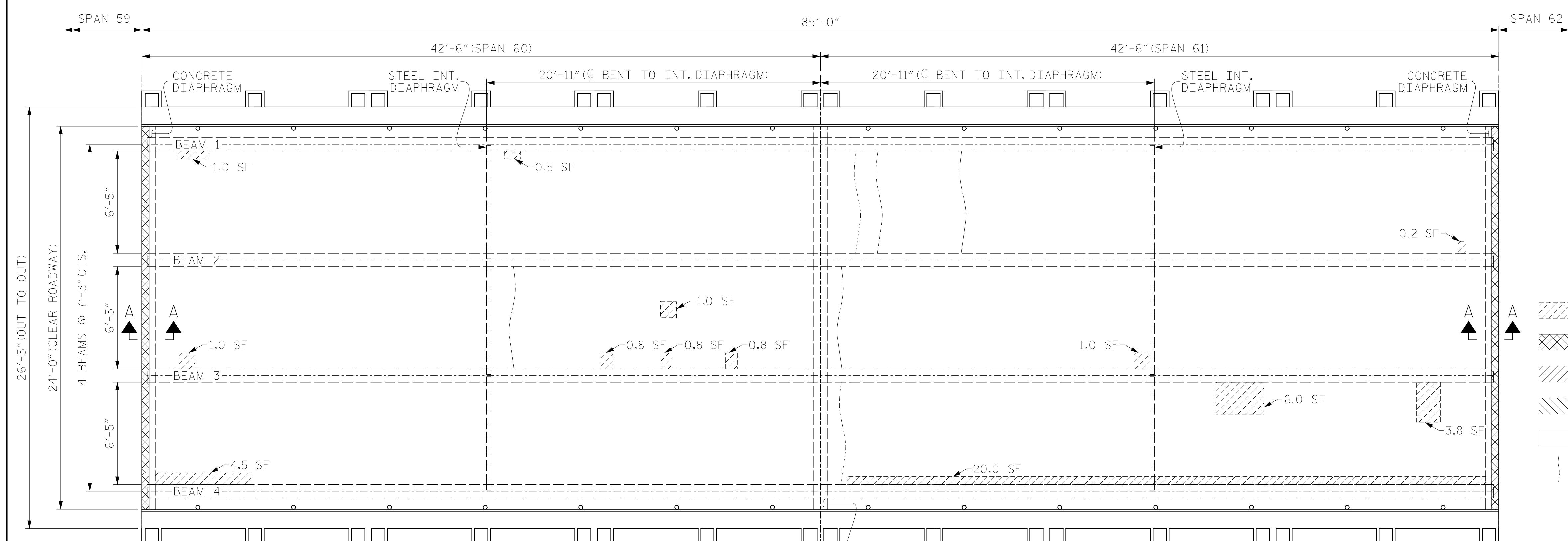
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PLAN OF SPAN 58

PLAN OF SPAN 59



PLAN OF SPAN 60

PLAN OF SPAN 61

NOTE:

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 AS-BUILT REPAIR QUANTITY TABLE.

| SUMMARY OF QUANTITIES FOR SPAN 58 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.3 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 92.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

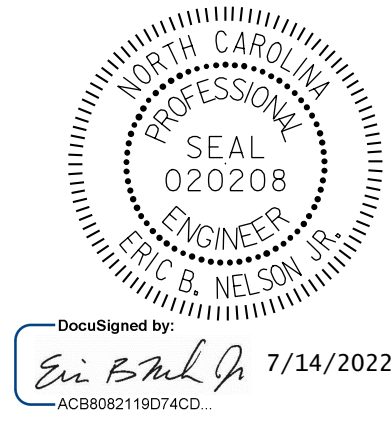
| SUMMARY OF QUANTITIES FOR SPAN 59 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 60 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 61 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 10.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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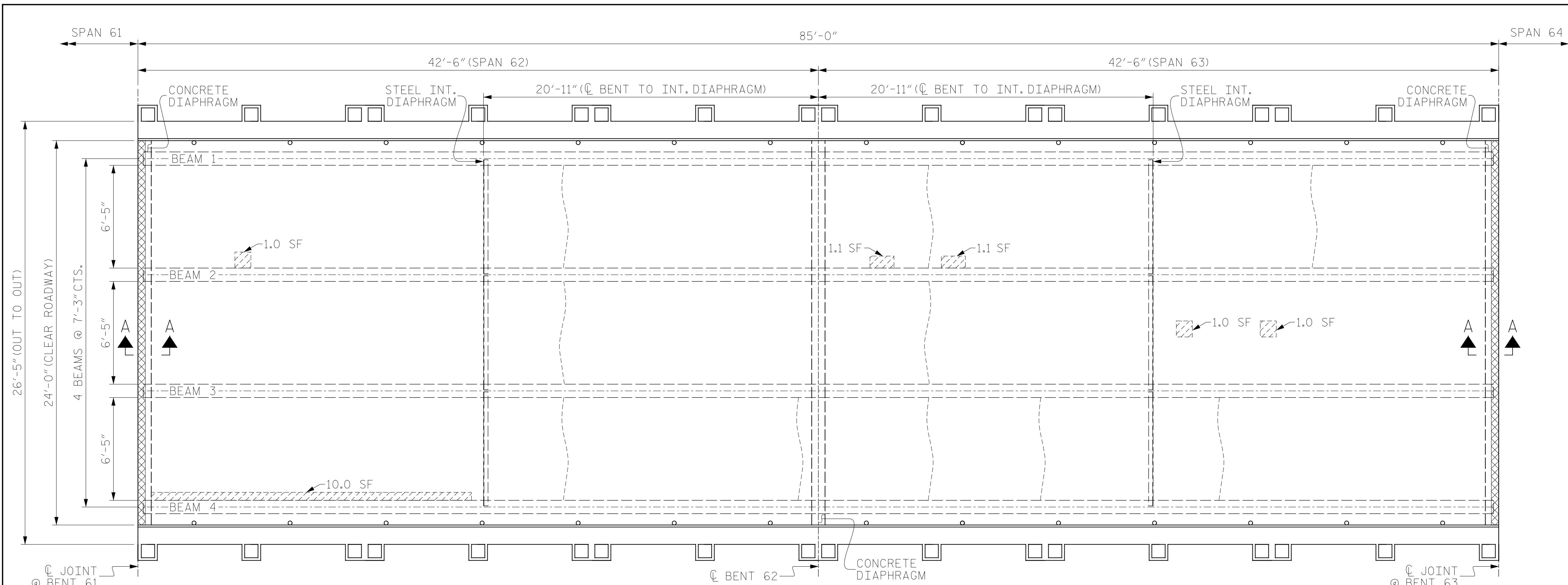
SURFACE PREPARATION & UNDERDECK REPAIRS SPANS 58 THRU 61

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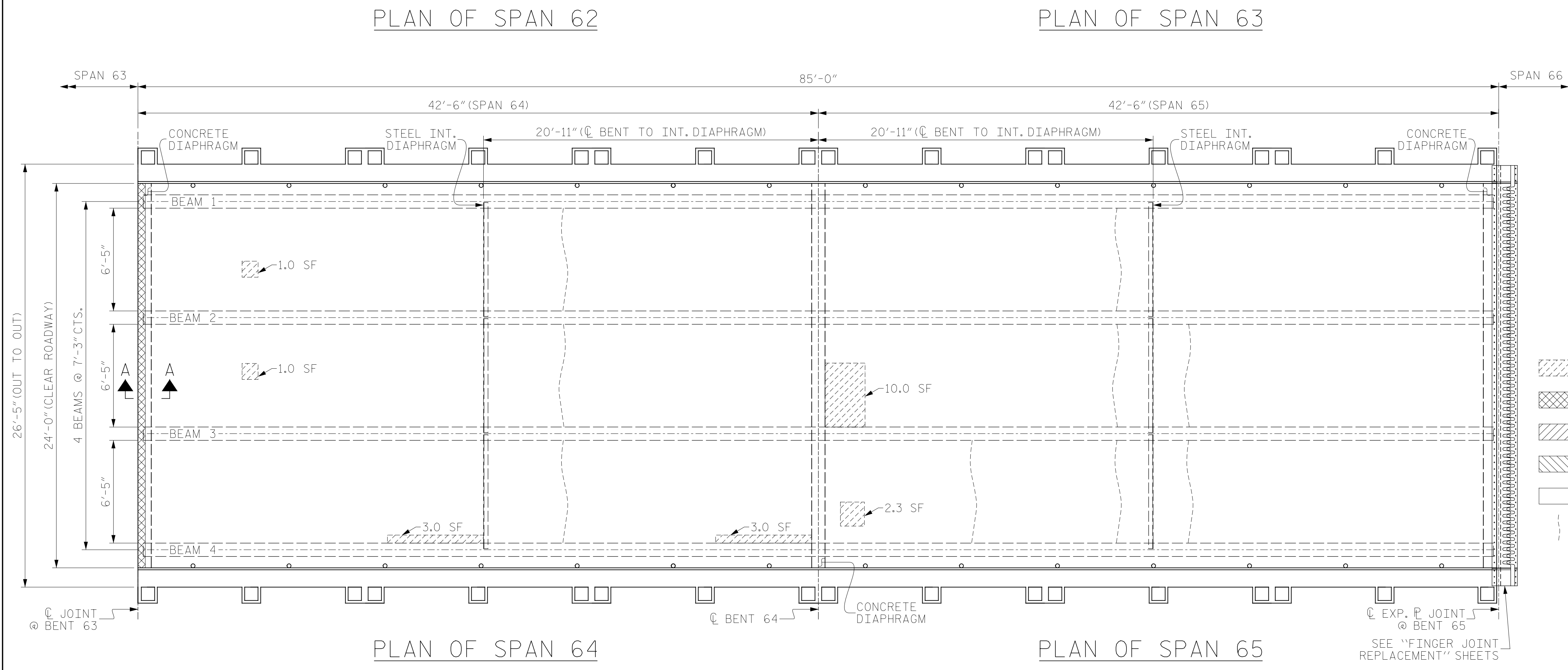
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| 2 | | | 4 | | | TOTAL SHEETS 355 |



| SUMMARY OF QUANTITIES FOR SPAN 62 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 63 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 64 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 65 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.1 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 62 THRU 65**

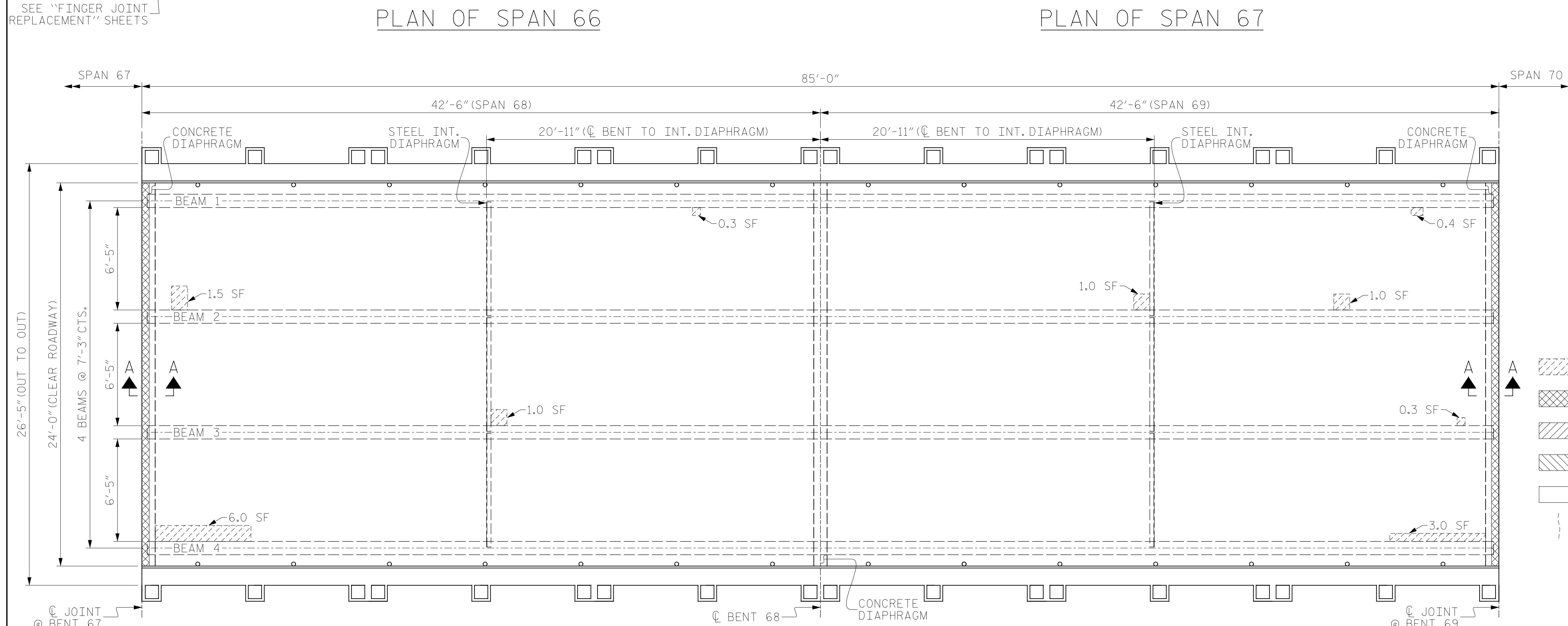
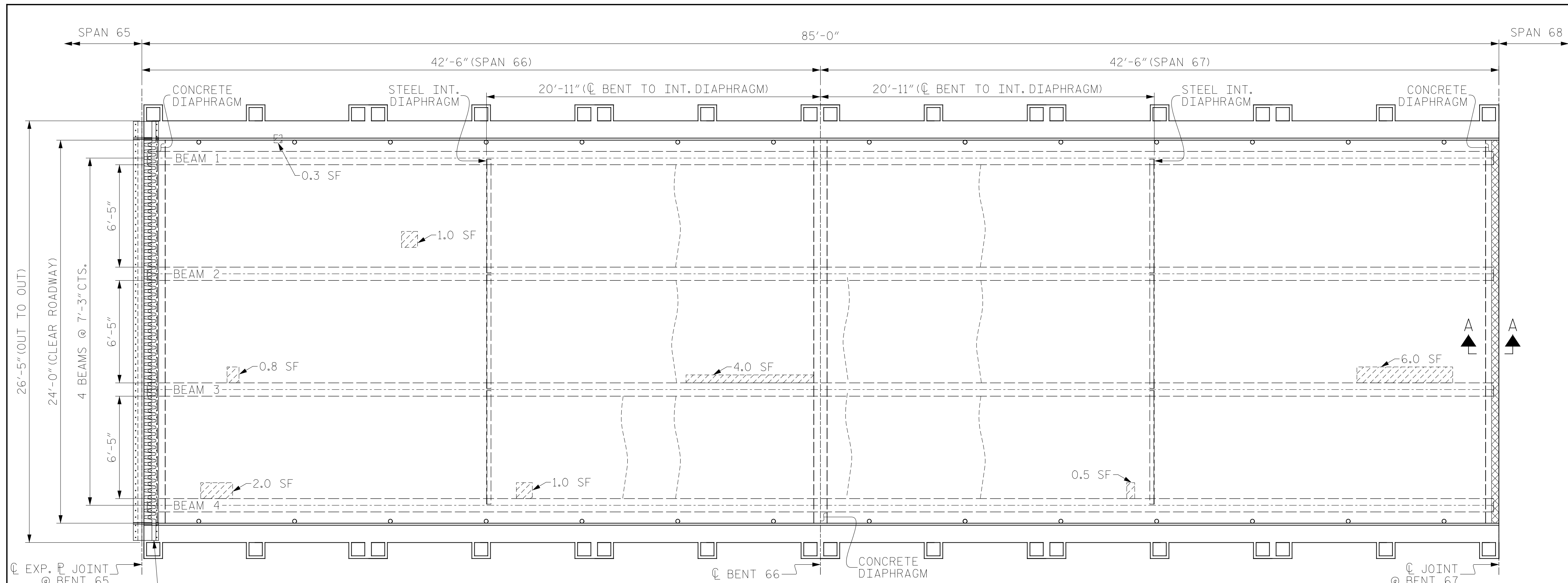
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| SUMMARY OF QUANTITIES FOR SPAN 66 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.0 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 67 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 68 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.9 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 69 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.9 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 66 THRU 69**

NOTE:

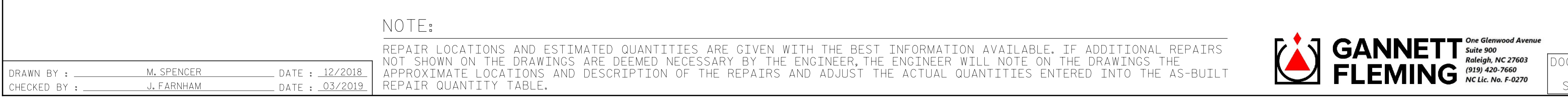
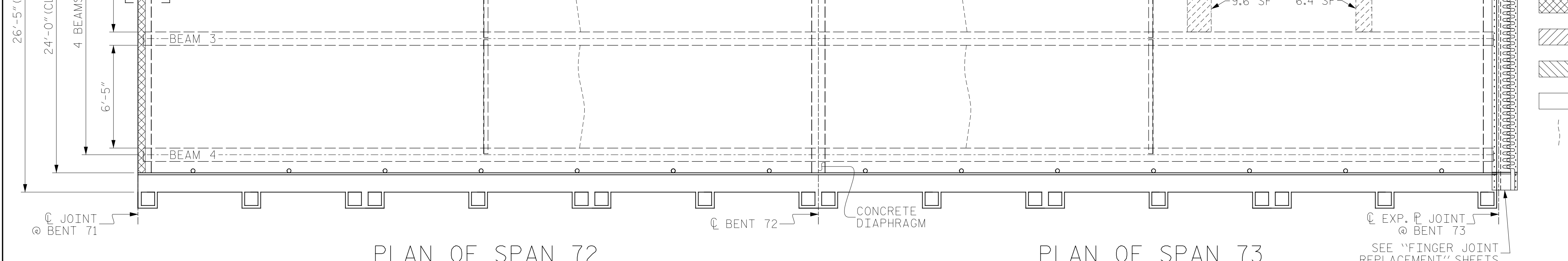
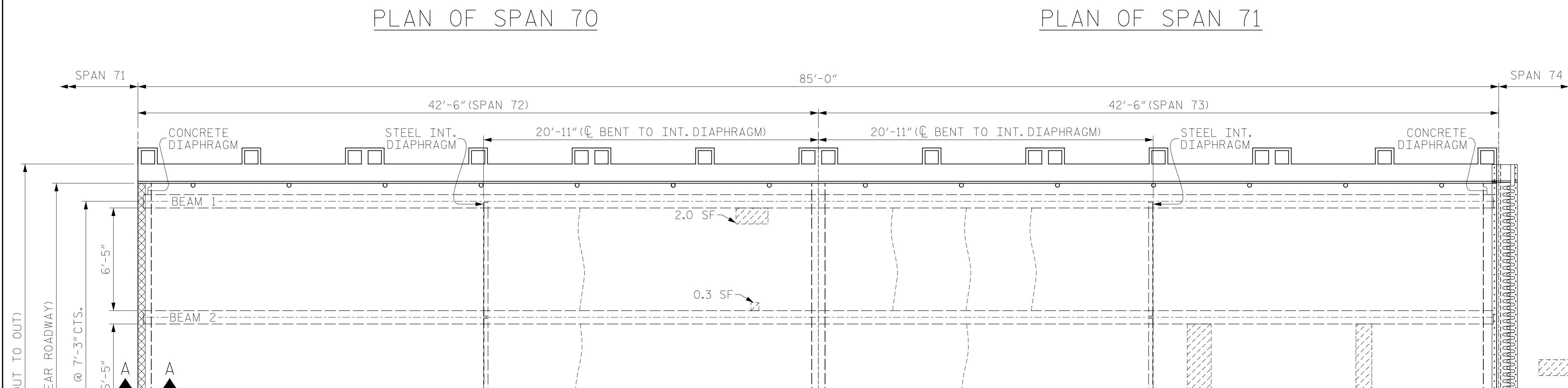
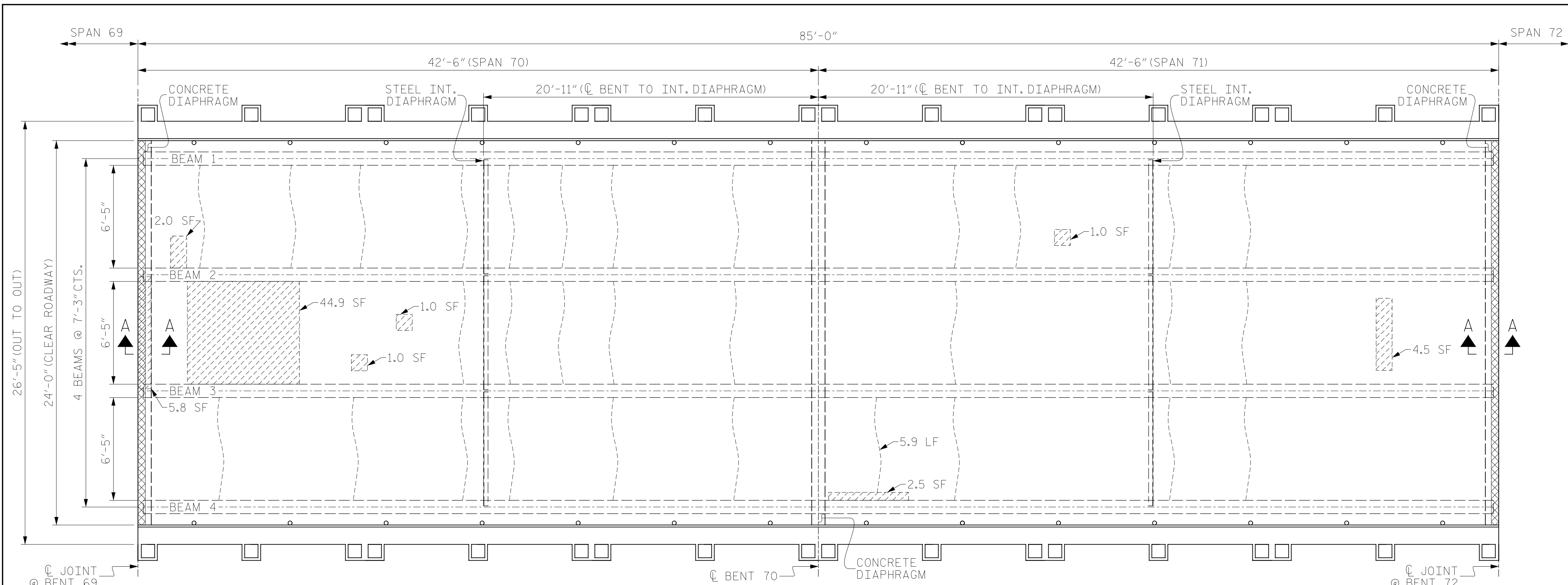
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 CHECKED BY: J. FARNHAM DATE: 03/2019



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| SUMMARY OF QUANTITIES FOR SPAN 70 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 22.1 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 121.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 71 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 70.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 72 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 73 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 5.3 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 70 THRU 73

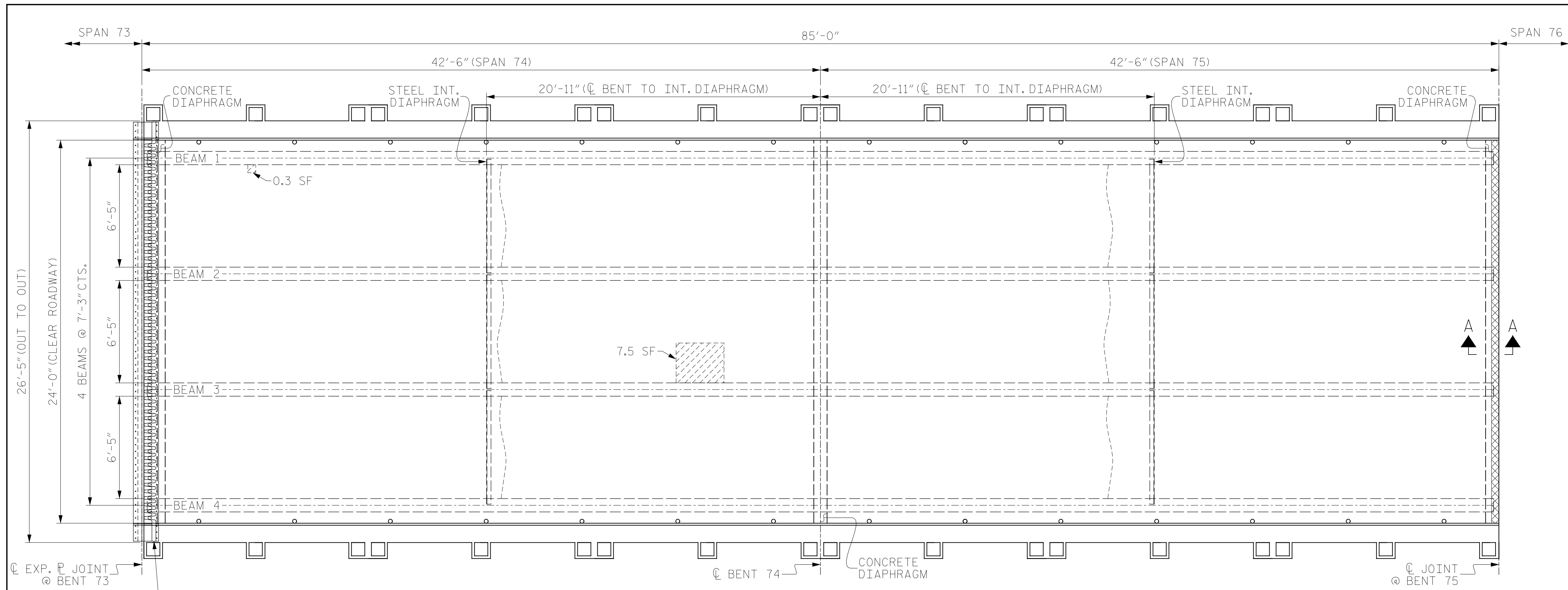
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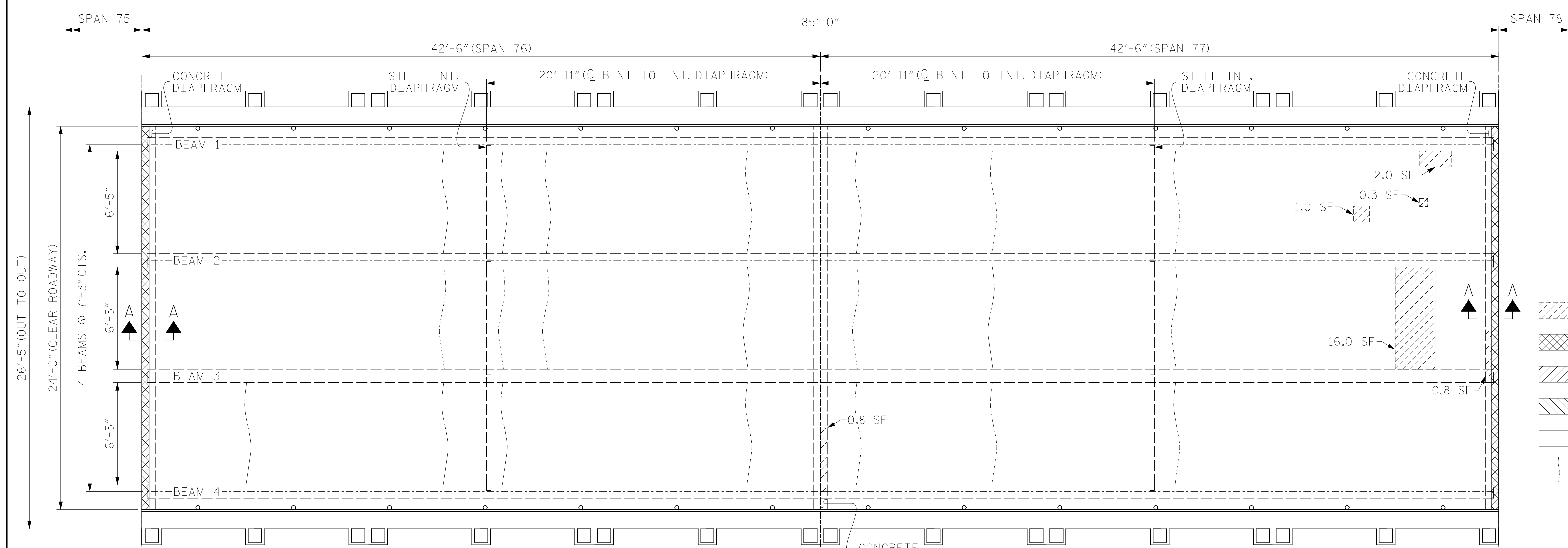
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PLAN OF SPAN 74

PLAN OF SPAN 75



PLAN OF SPAN 76

PLAN OF SPAN 77

| SUMMARY OF QUANTITIES FOR SPAN 74 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.6 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

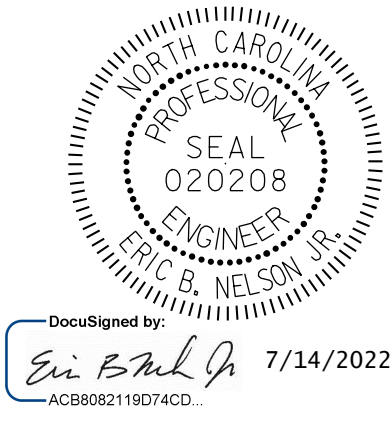
| SUMMARY OF QUANTITIES FOR SPAN 75 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 76 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 77.0 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 77 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 8.6 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 57.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 74 THRU 77

NOTE:

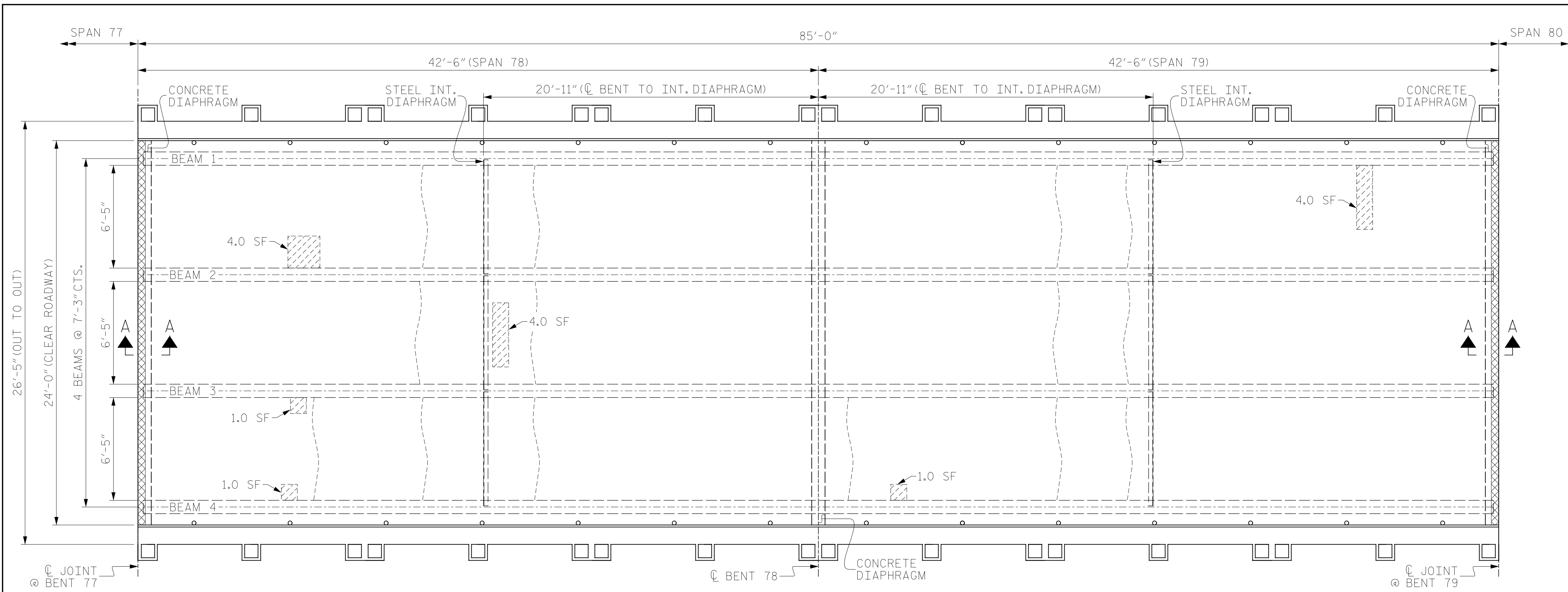
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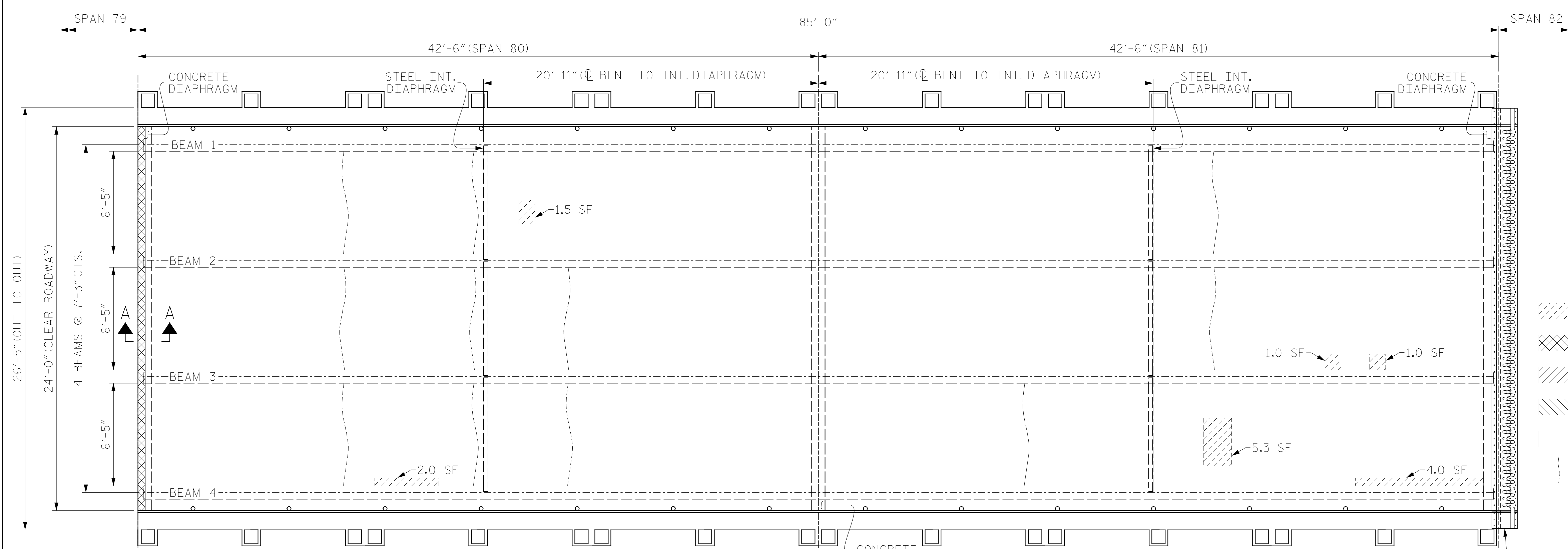
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PLAN OF SPAN 78

PLAN OF SPAN 79



PLAN OF SPAN 80

PLAN OF SPAN 81

| SUMMARY OF QUANTITIES FOR SPAN 78 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

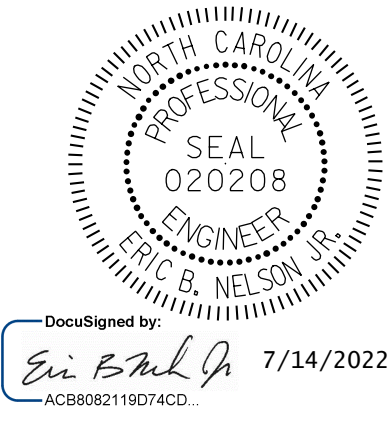
| SUMMARY OF QUANTITIES FOR SPAN 79 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 80 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 51.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 81 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.8 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 78 THRU 81

NOTE:

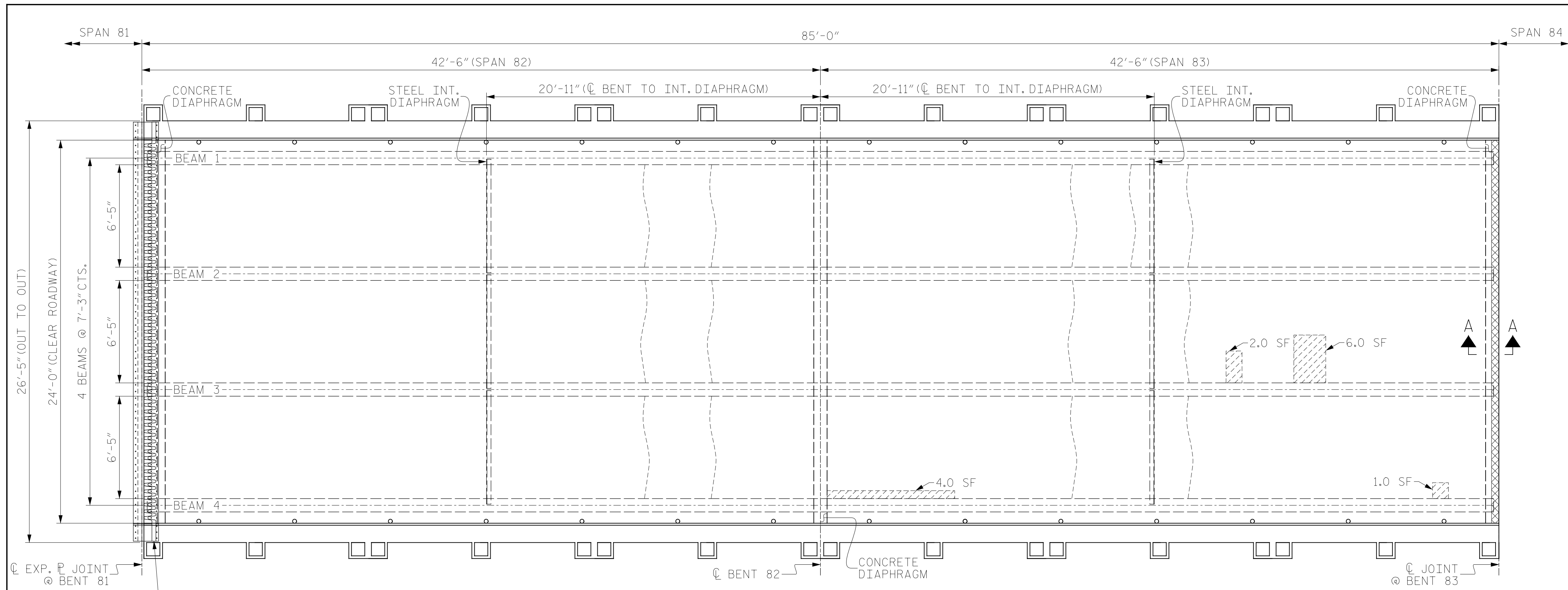
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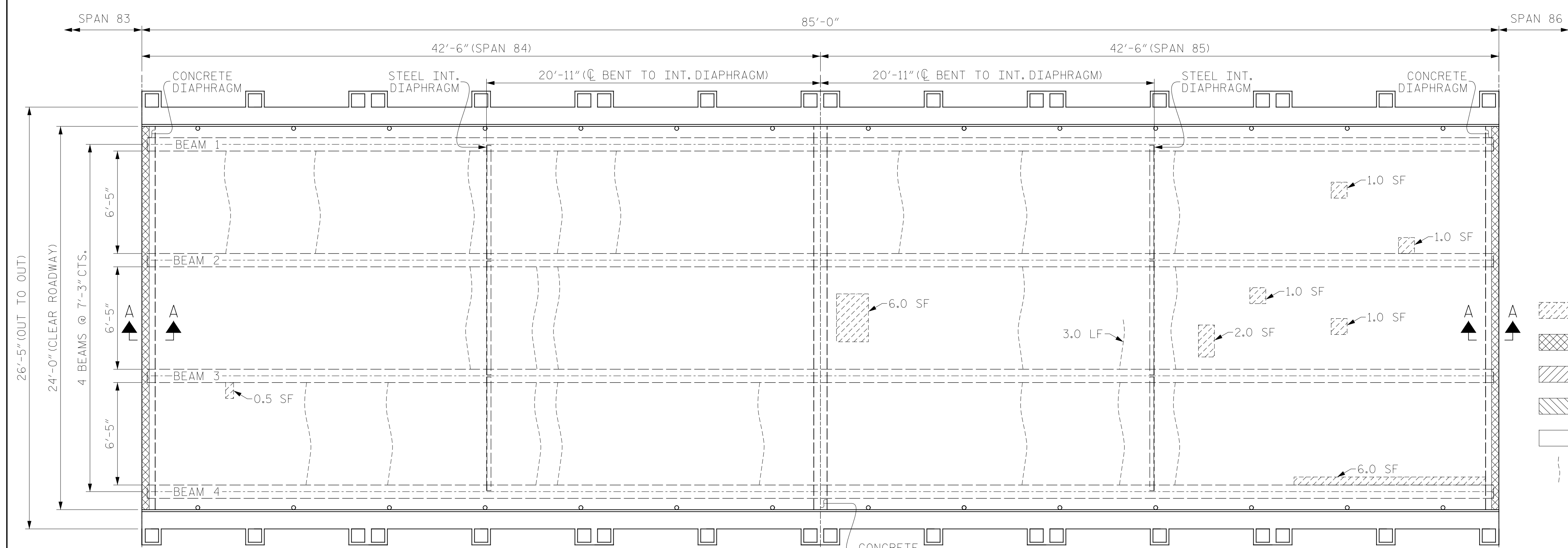
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PLAN OF SPAN 82

PLAN OF SPAN 83



PLAN OF SPAN 84

PLAN OF SPAN 85

| SUMMARY OF QUANTITIES FOR SPAN 82 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 83 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 84 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 83.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 85 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 6.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 54.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 82 THRU 85

NOTE:

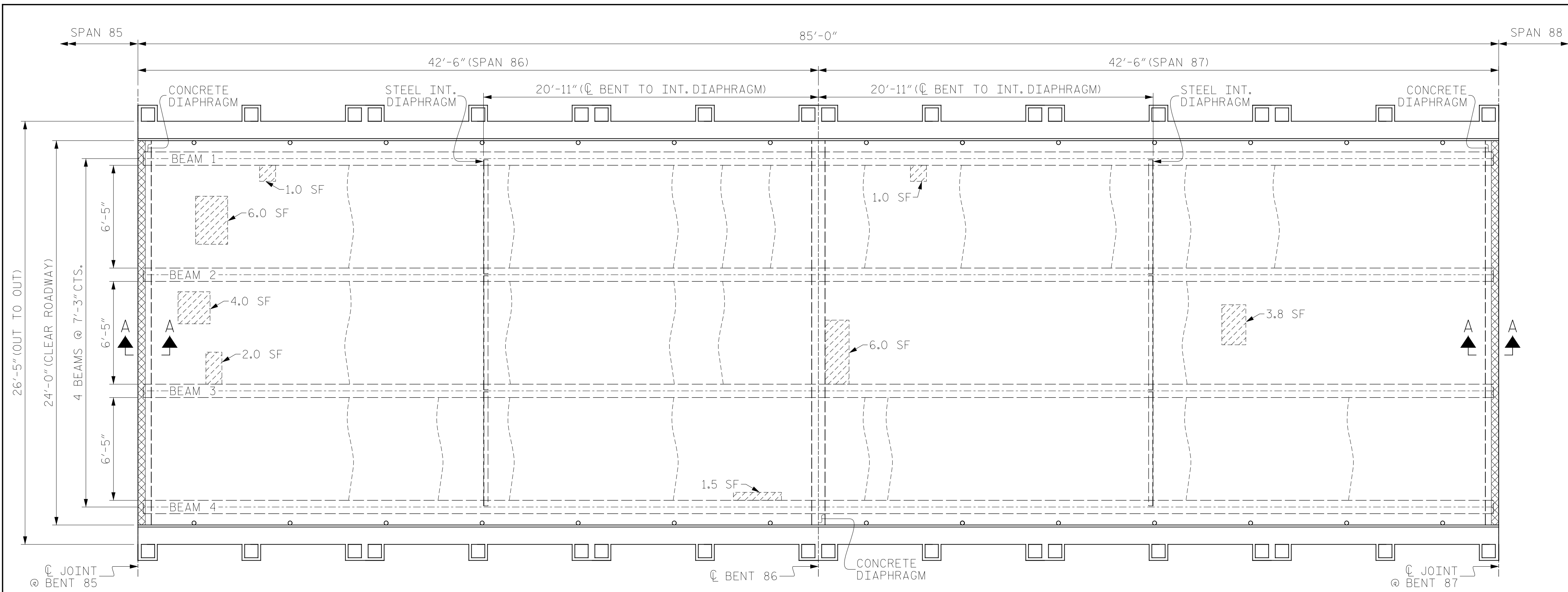
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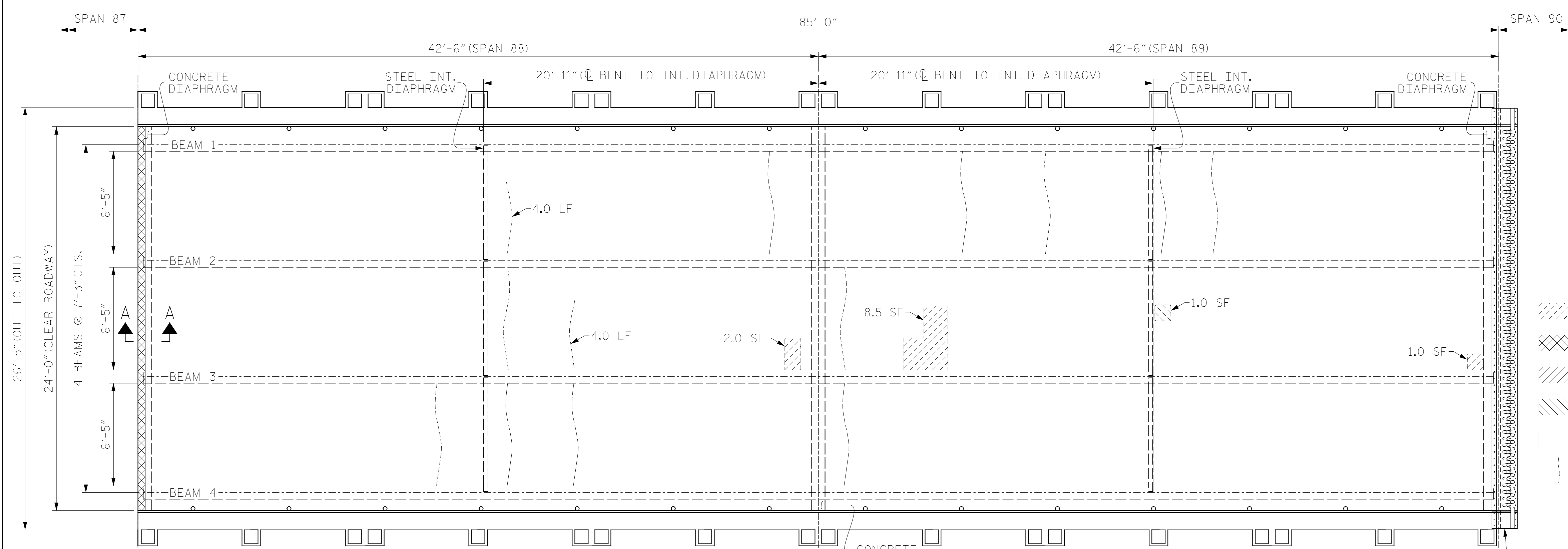


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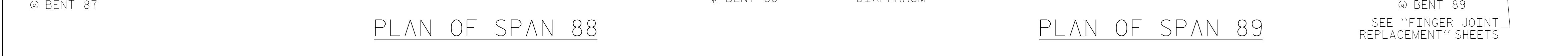
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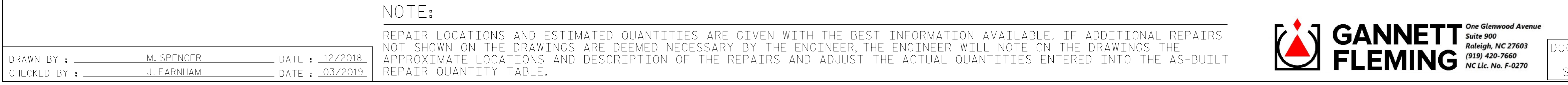
PLAN OF SPAN 86



PLAN OF SPAN 87



PLAN OF SPAN 88



PLAN OF SPAN 89

| SUMMARY OF QUANTITIES FOR SPAN 86 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 83.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 87 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.6 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 64.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 88 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 42.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 89 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.5 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 86 THRU 89

NOTE:

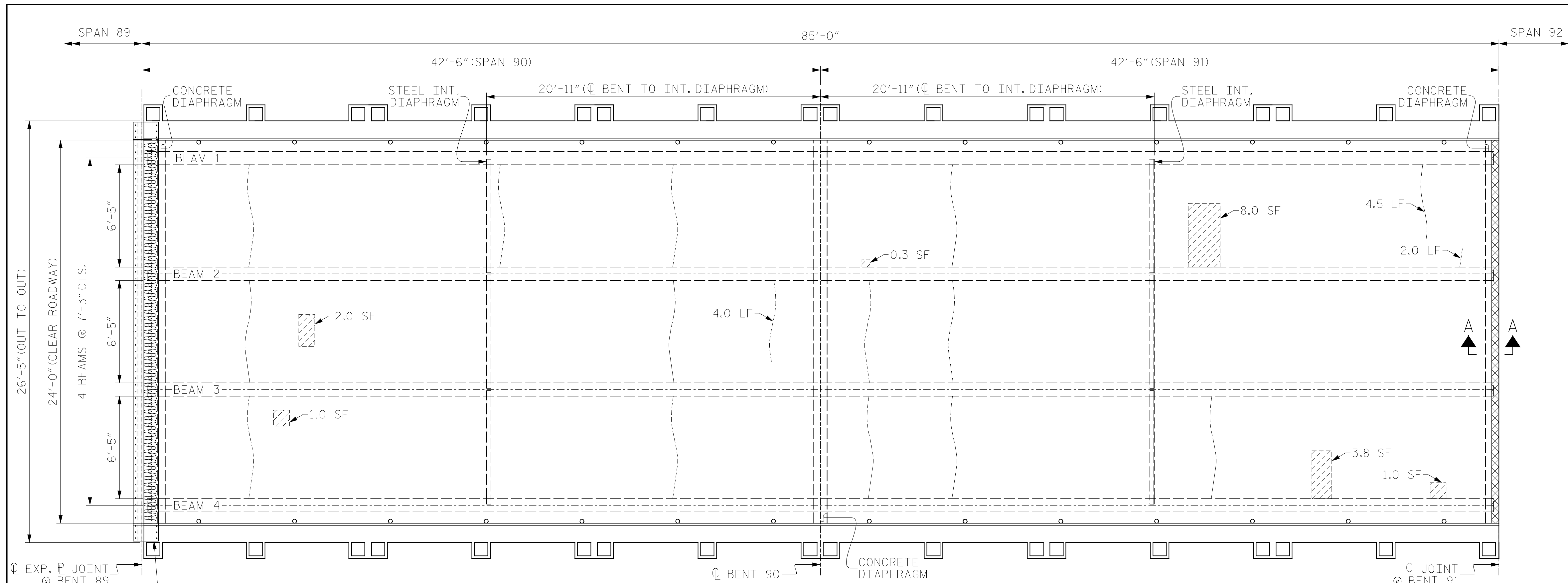
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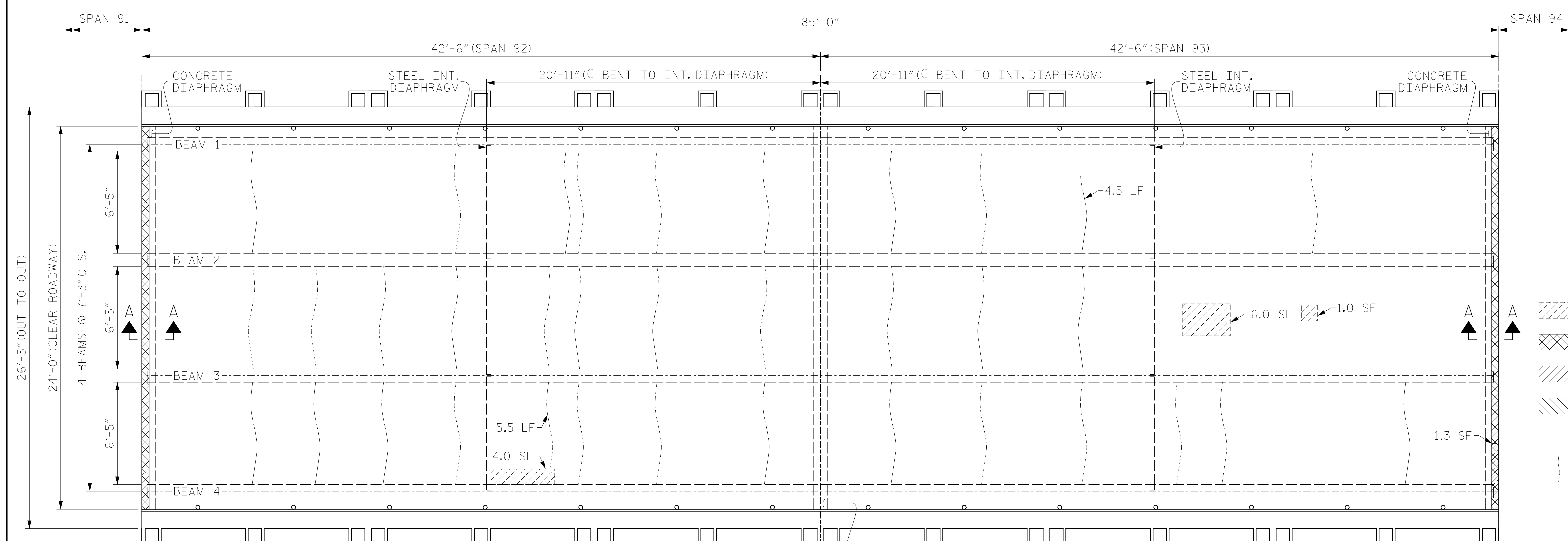
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PLAN OF SPAN 90

PLAN OF SPAN 91



PLAN OF SPAN 92

PLAN OF SPAN 93

| SUMMARY OF QUANTITIES FOR SPAN 90 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.0 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 48.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

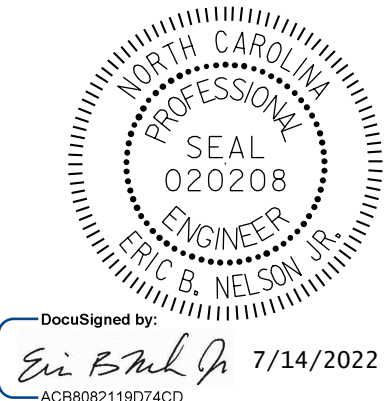
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| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 45.0 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 92 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 140.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 93 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.6 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 81.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 90 THRU 93

NOTE:

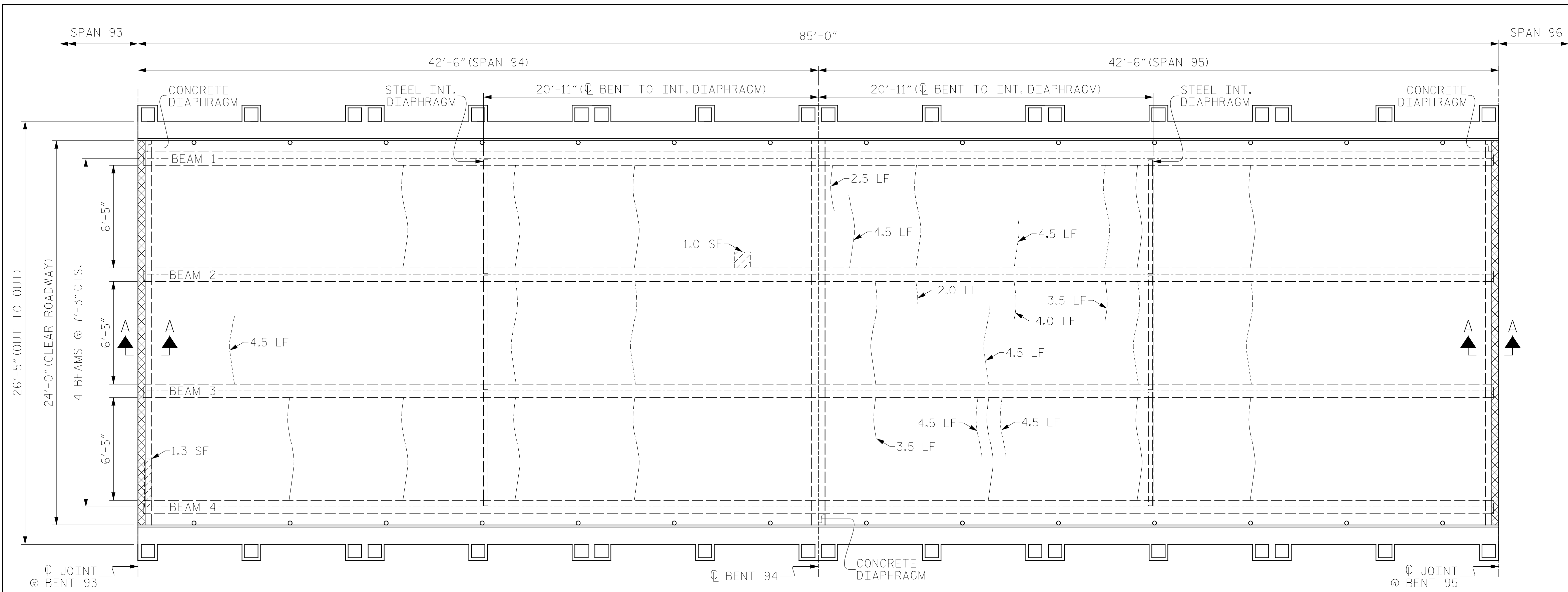
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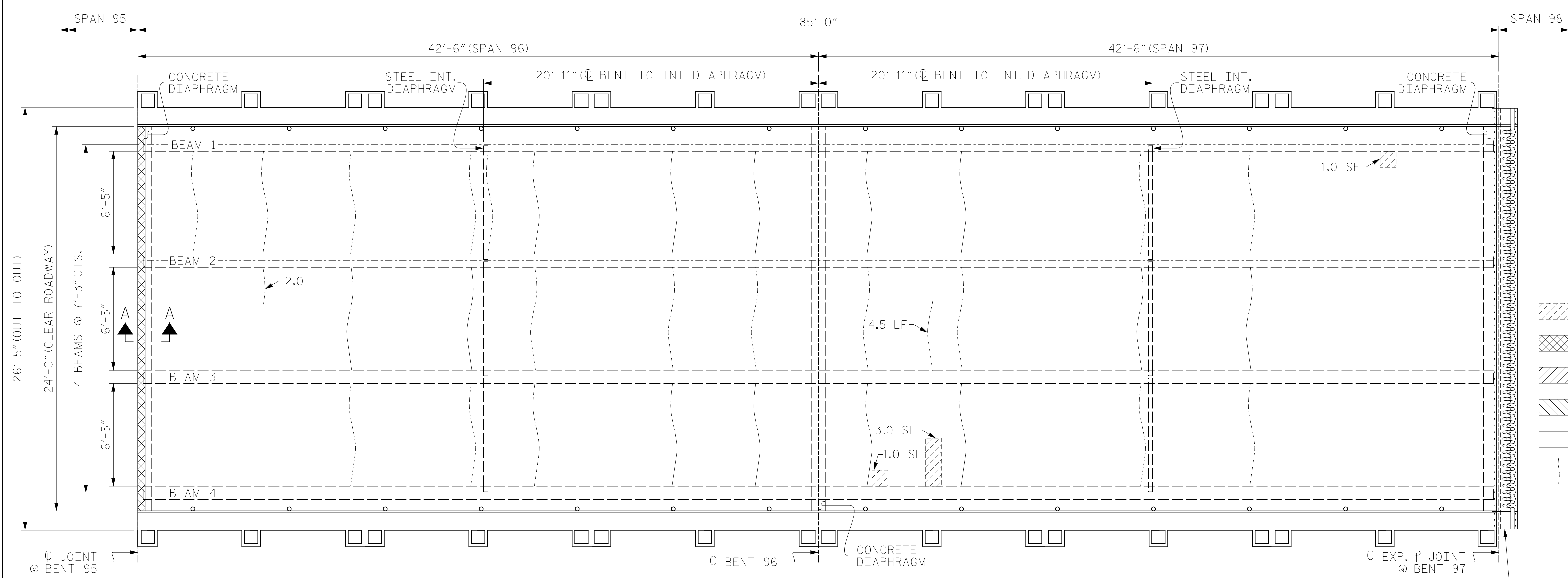
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| SUMMARY OF QUANTITIES FOR SPAN 94 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.6 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 62.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 95 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 10.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 96 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 117.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 97 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.7 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 81.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 94 THRU 97**

NOTE:

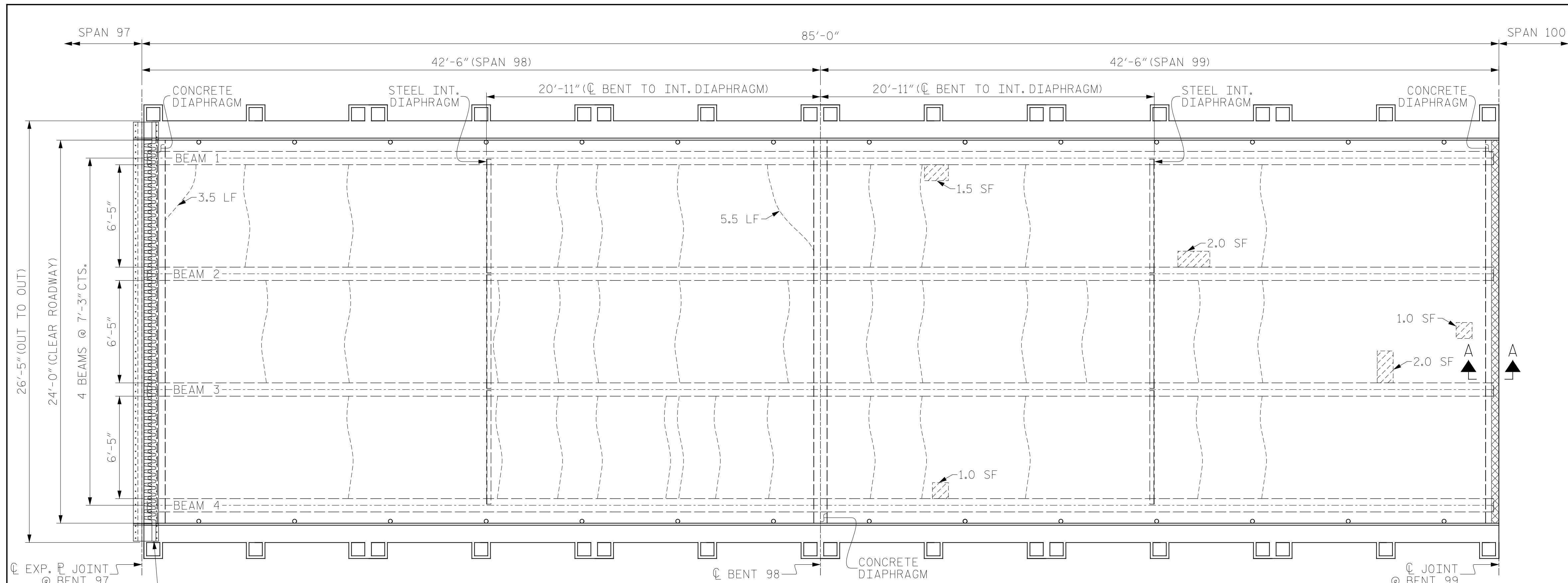
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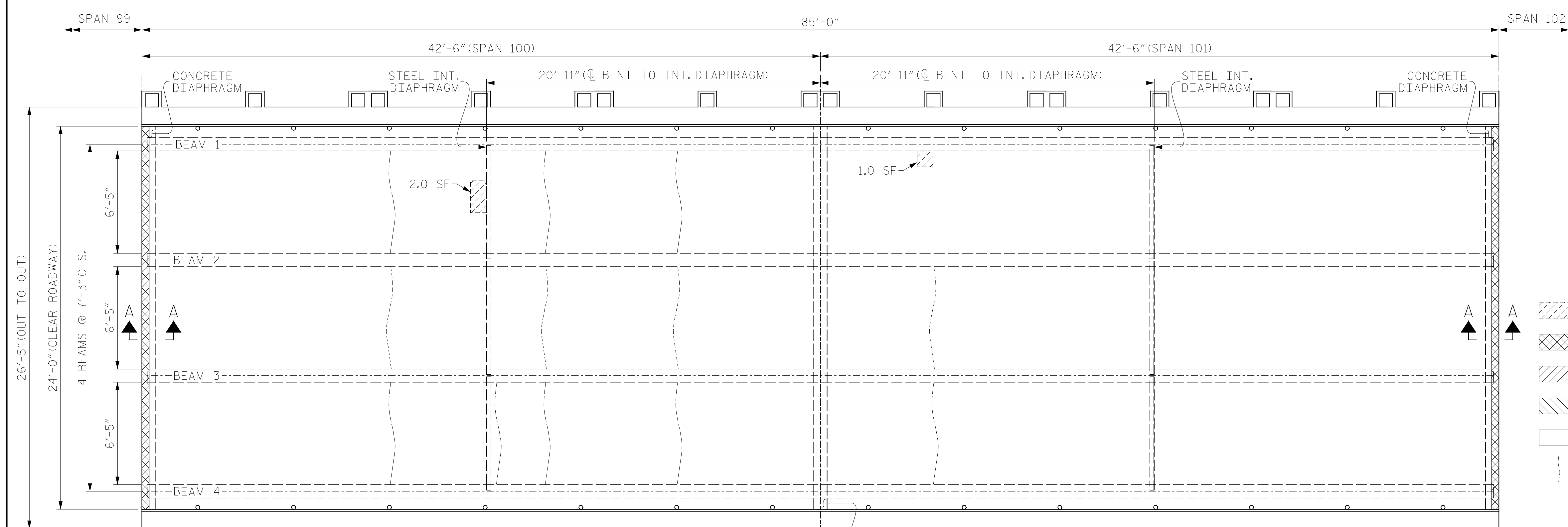
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PLAN OF SPAN 98

PLAN OF SPAN 99



PLAN OF SPAN 100

PLAN OF SPAN 101

| SUMMARY OF QUANTITIES FOR SPAN 98 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 137.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 99 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 96.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 100 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 64.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 101 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
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 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 98 THRU 101

NOTE:

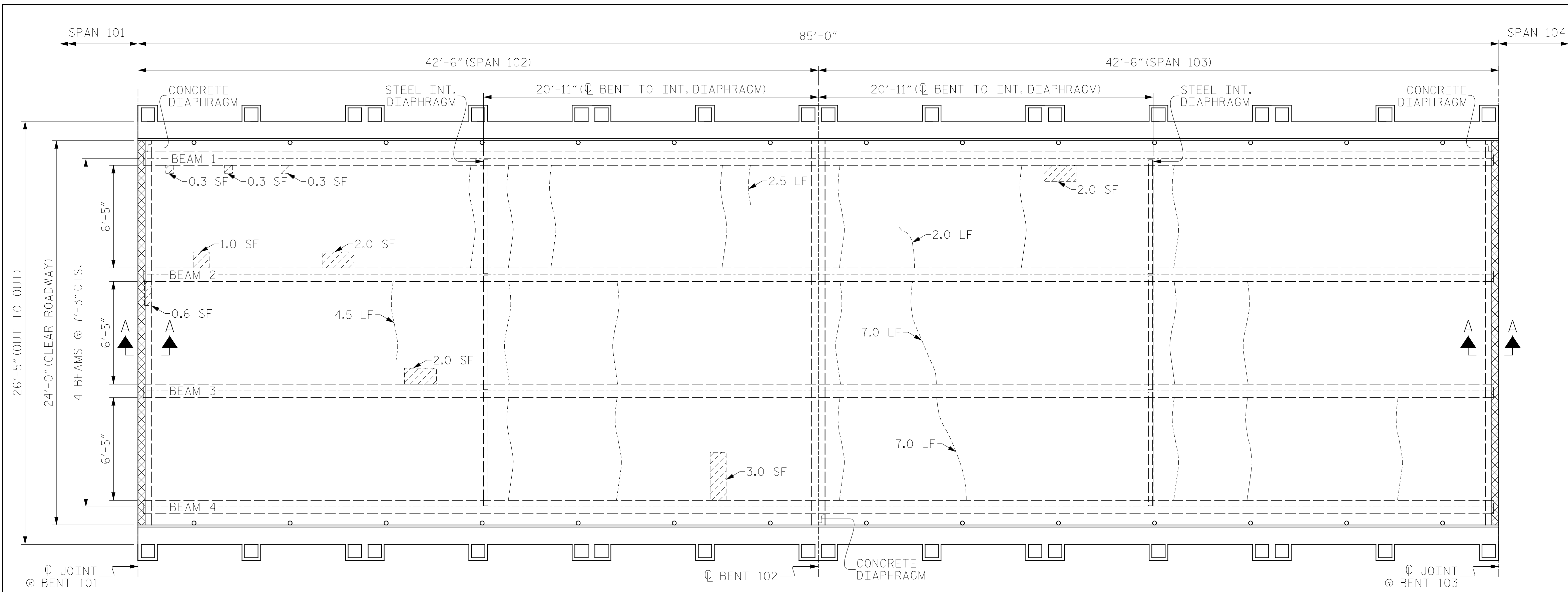
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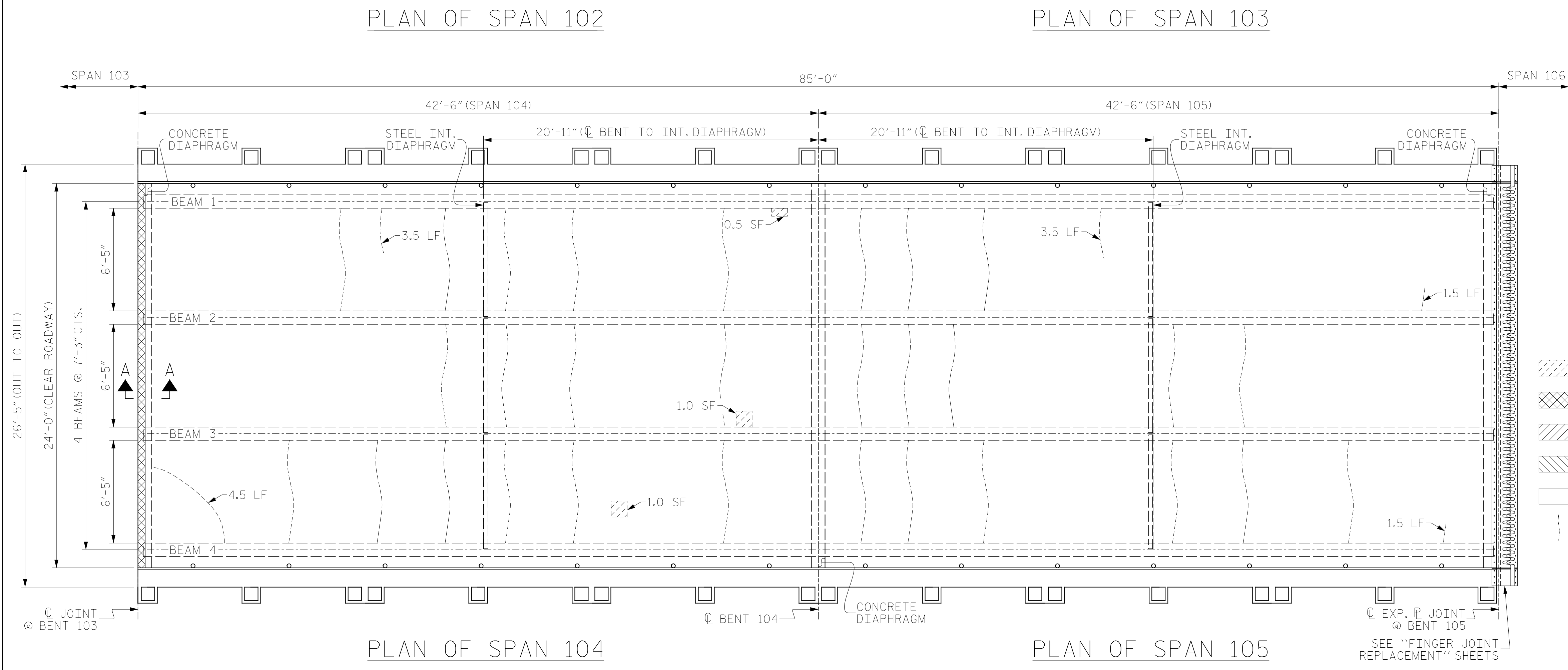
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| SUMMARY OF QUANTITIES FOR SPAN 102 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.6 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 58.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 103 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 80.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

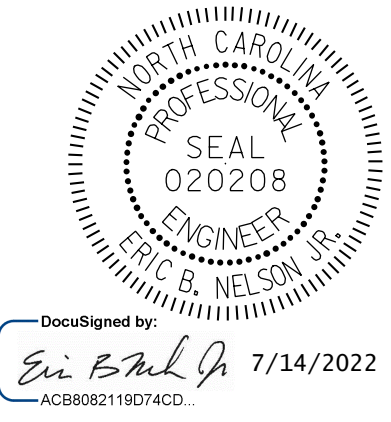
| SUMMARY OF QUANTITIES FOR SPAN 104 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 104.3 | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 105 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 96.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 102 THRU 105**

NOTE:

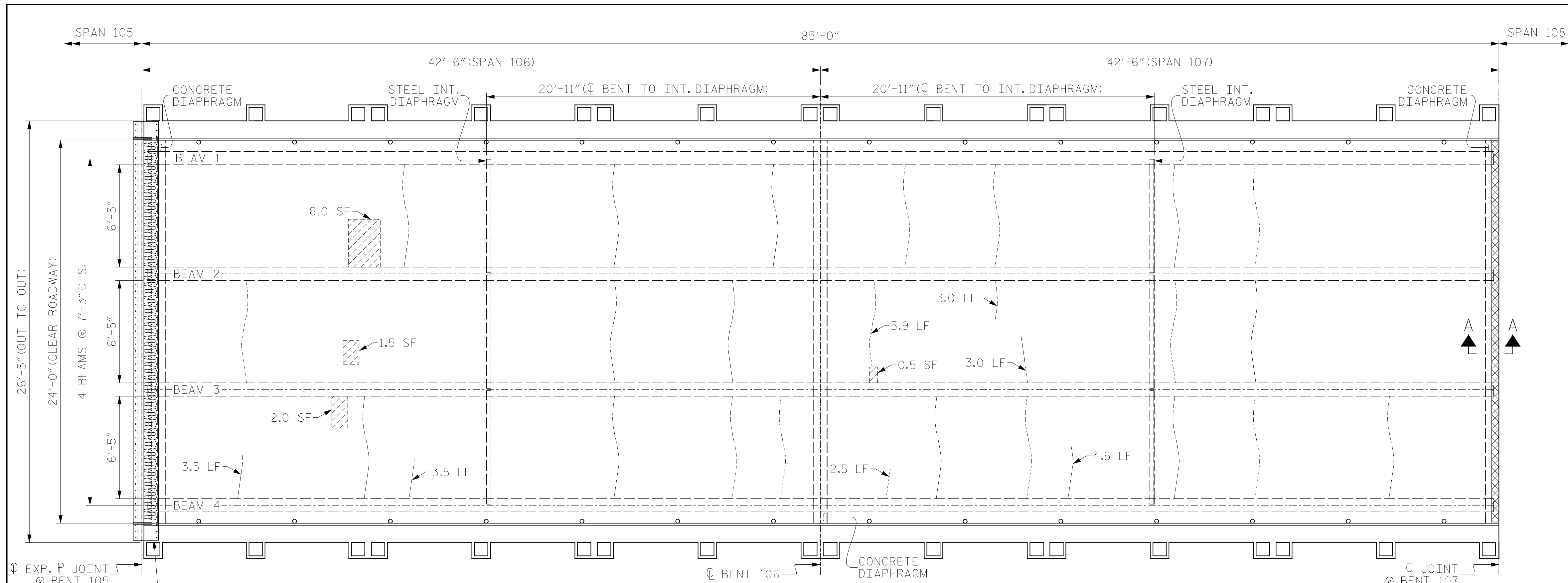
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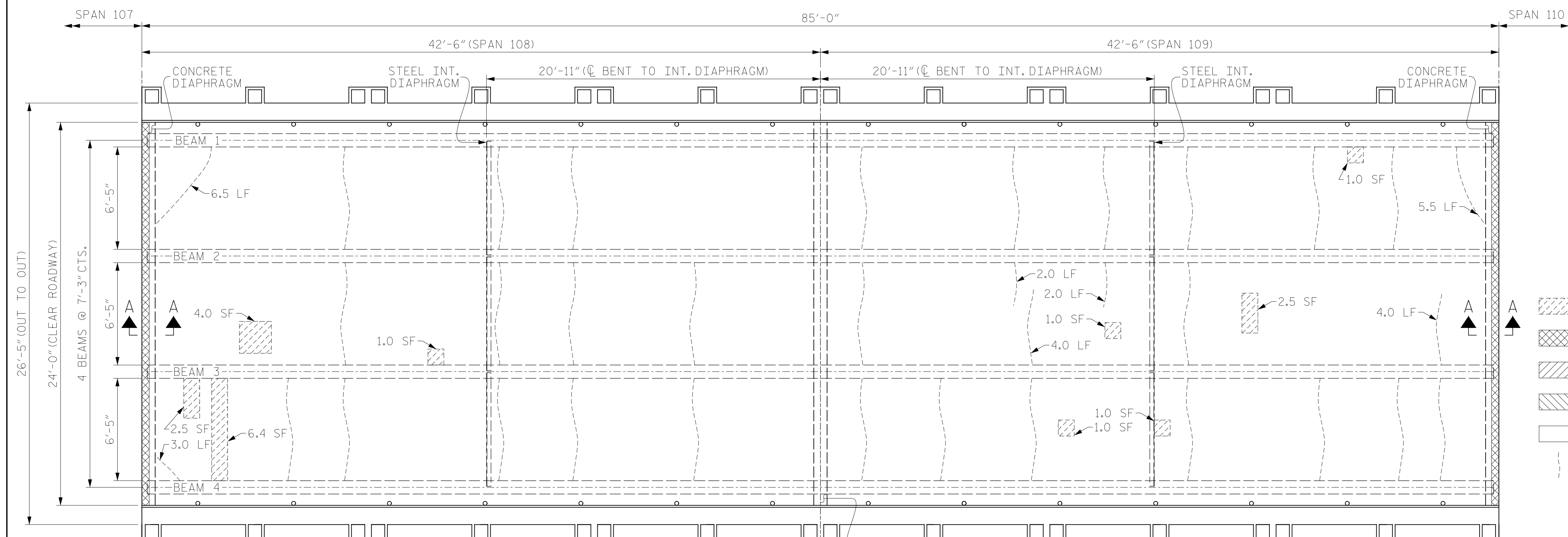
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PLAN OF SPAN 106

PLAN OF SPAN 107



PLAN OF SPAN 108

PLAN OF SPAN 109

| SUMMARY OF QUANTITIES FOR SPAN 106 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.2 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 71.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 107 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 89.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 108 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.6 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 86.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 109 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 113.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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 SPANS 106 THRU 109

NOTE:

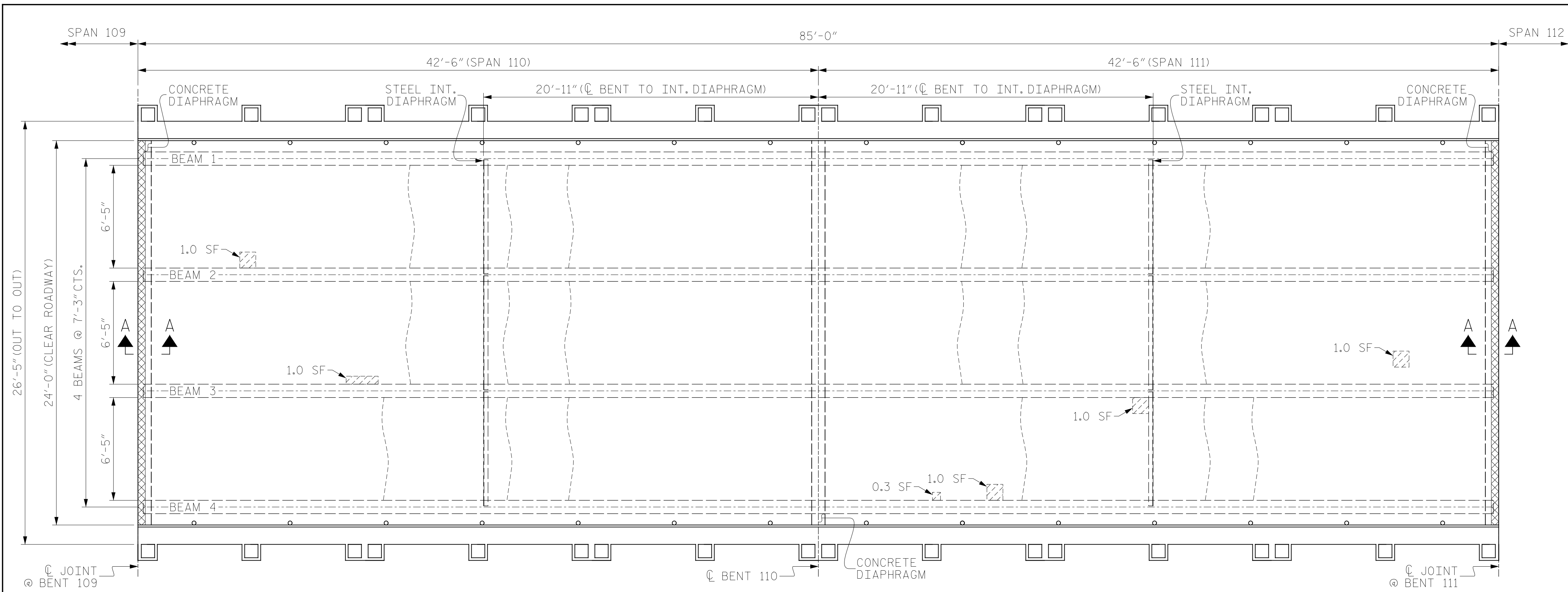
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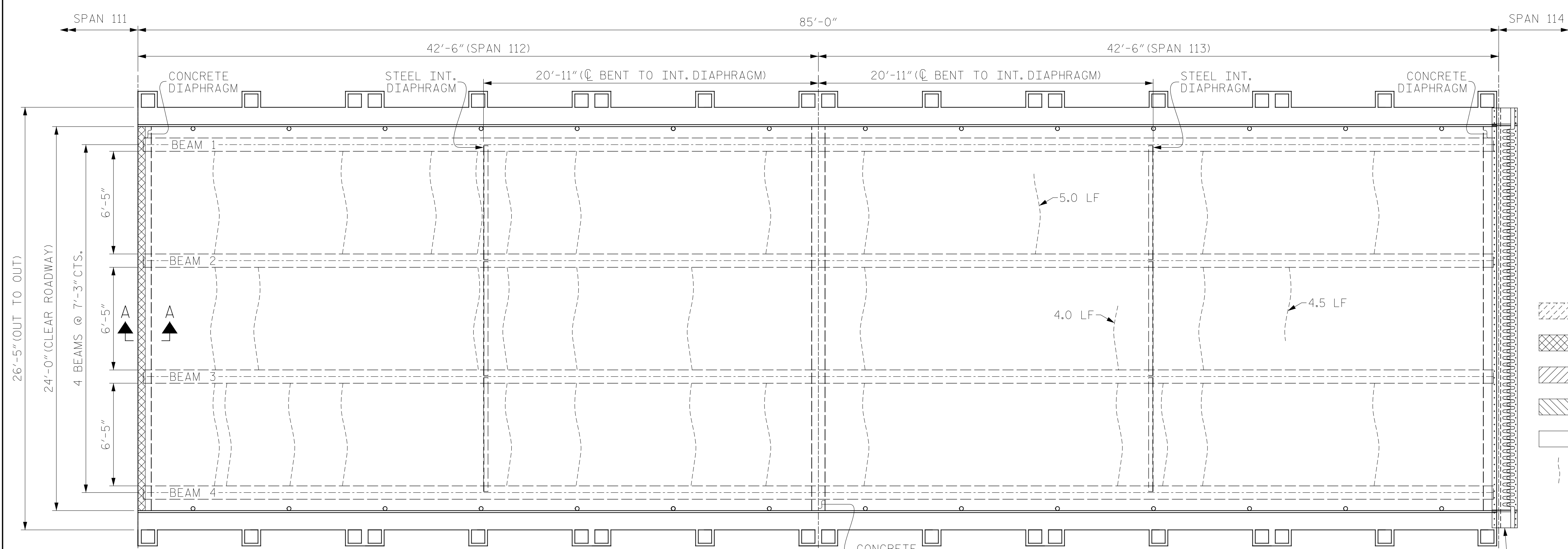
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PLAN OF SPAN 110

PLAN OF SPAN 111



PLAN OF SPAN 112

PLAN OF SPAN 113

| SUMMARY OF QUANTITIES FOR SPAN 110 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 57.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

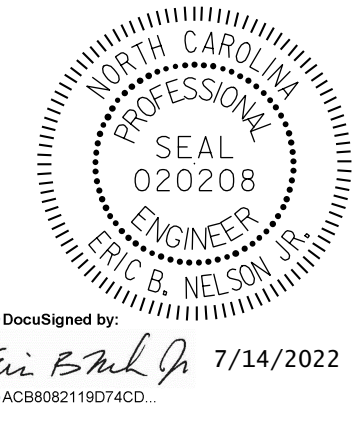
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|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.1 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 57.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 112 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 134.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 113 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 77.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 SPANS 110 THRU 113

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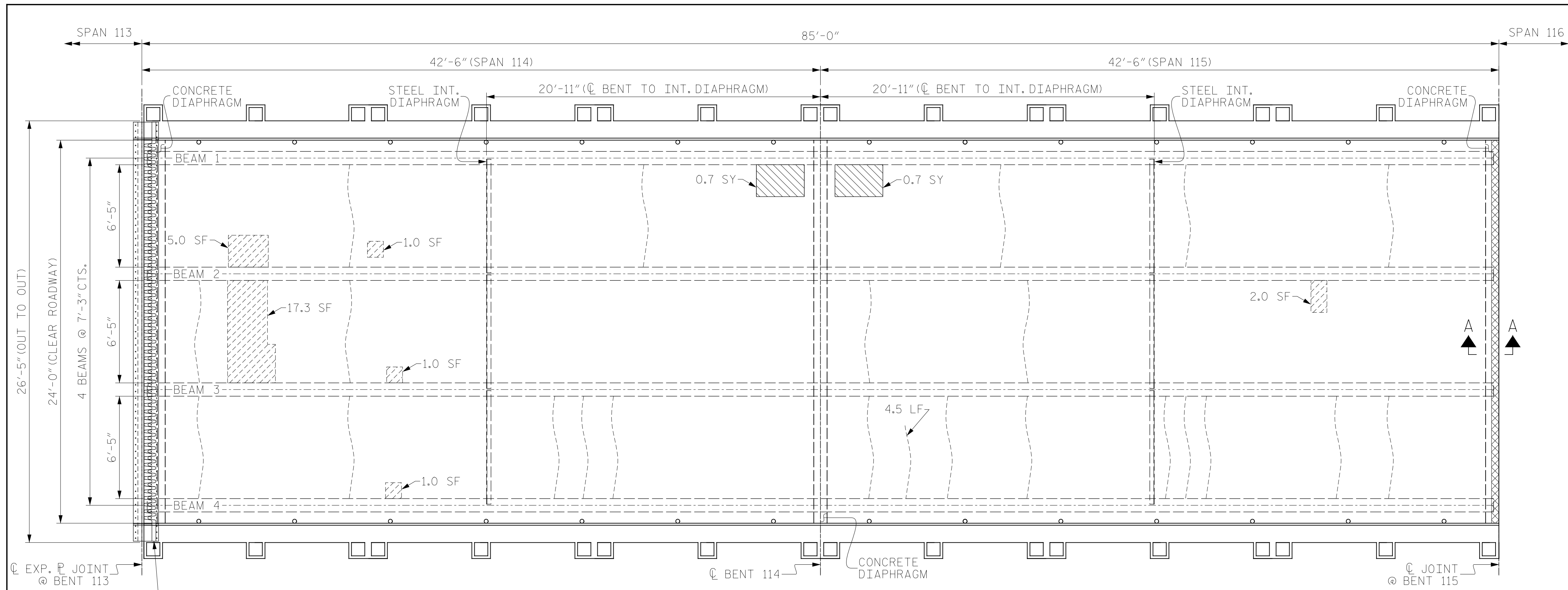
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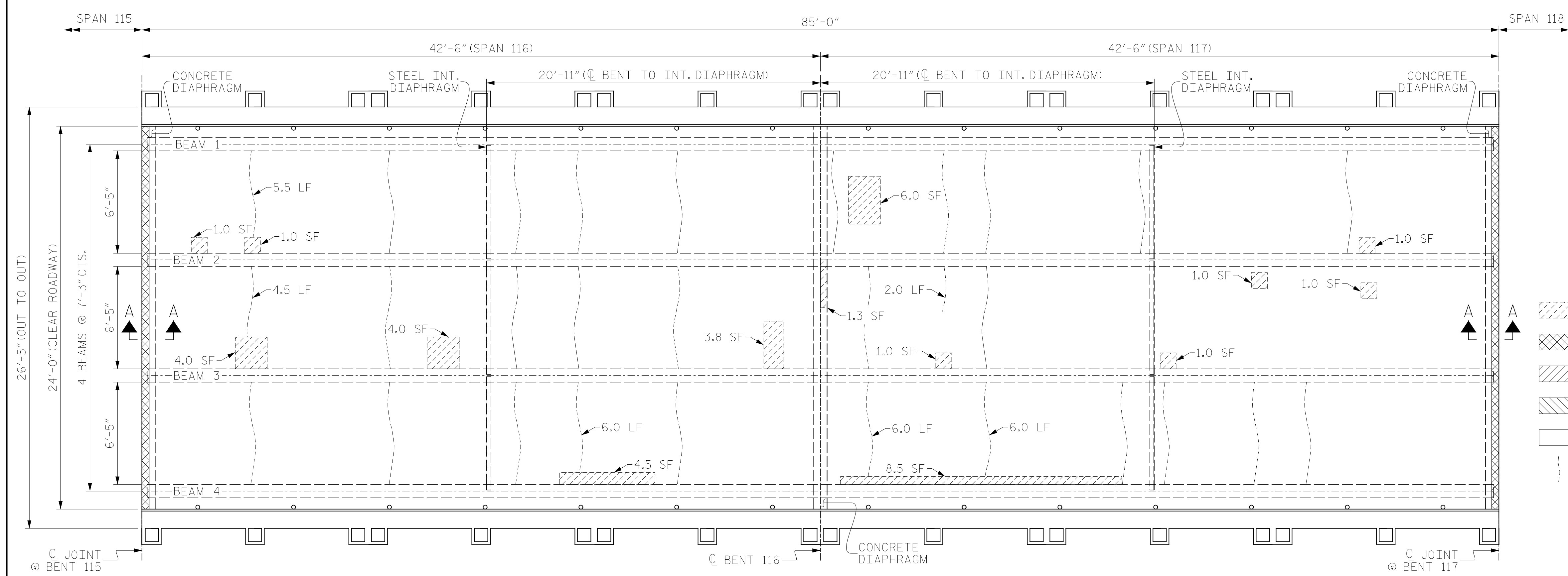
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| SUMMARY OF QUANTITIES FOR SPAN 114 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 8.4 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | 0.7 SY | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | 3.3 CF | |
| CRACK PRETREATMENT | 57.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 115 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | 0.7 SY | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | 3.3 CF | |
| CRACK PRETREATMENT | 87.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

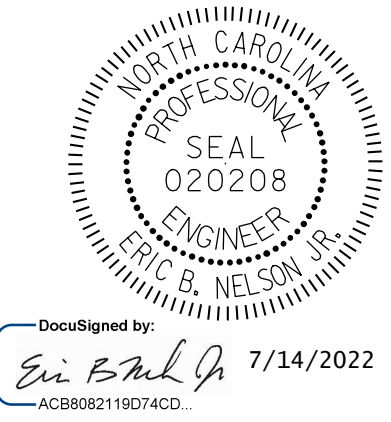
| SUMMARY OF QUANTITIES FOR SPAN 116 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 6.1 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 92.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 117 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 8.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 84.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
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**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 114 THRU 117**

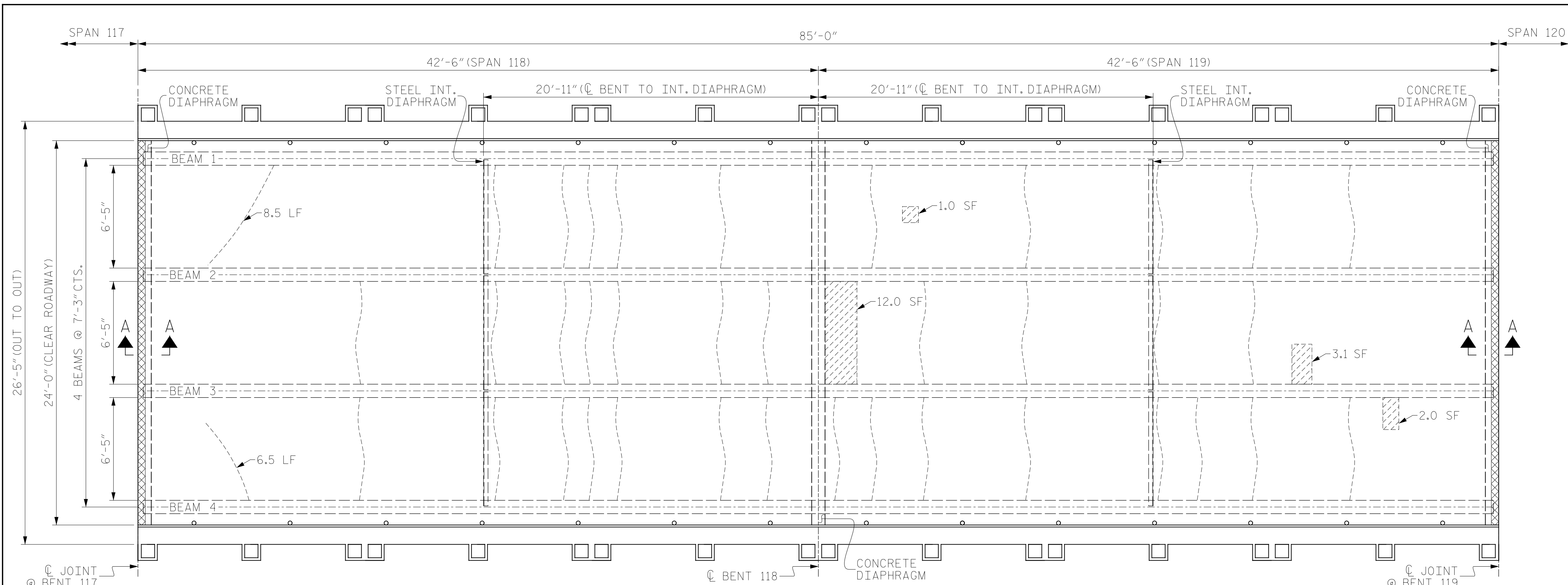
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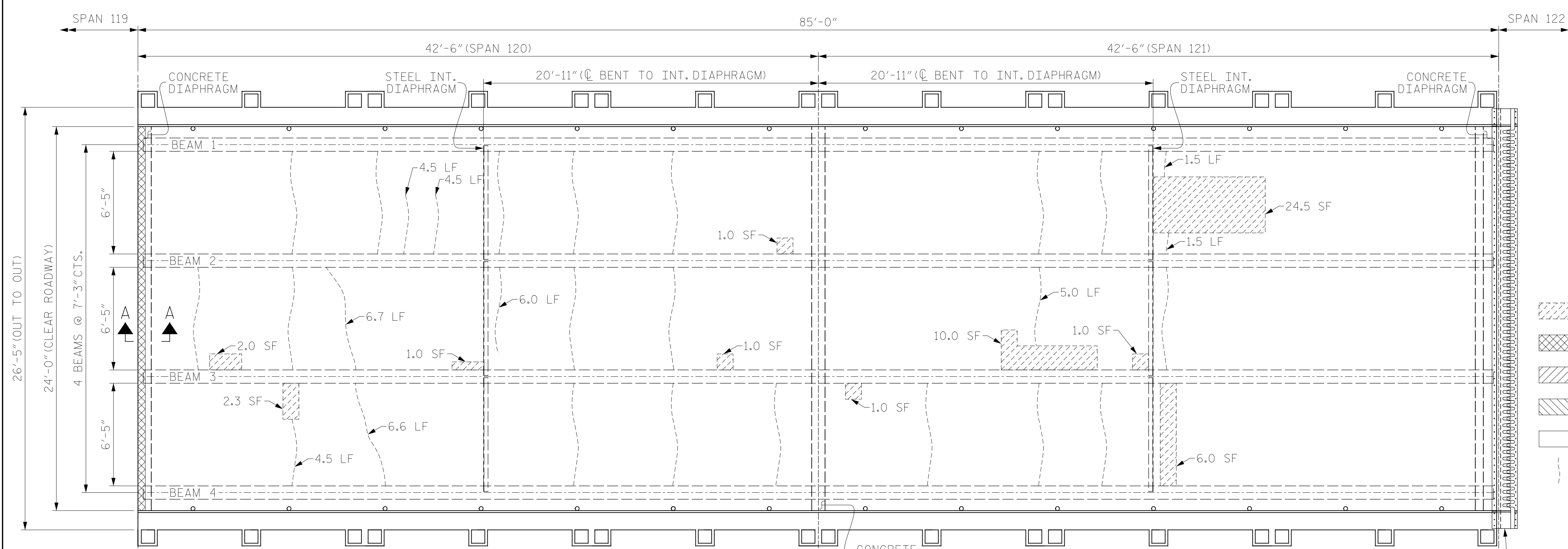
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| 1 | | | 3 | | | 47 |
| 2 | | | 4 | | | 355 |



PLAN OF SPAN 118

PLAN OF SPAN 119



PLAN OF SPAN 120

PLAN OF SPAN 121

| SUMMARY OF QUANTITIES FOR SPAN 118 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 136.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 119 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 6.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 109.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 120 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 109.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 121 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 14.2 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 46.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 118 THRU 121

NOTE:

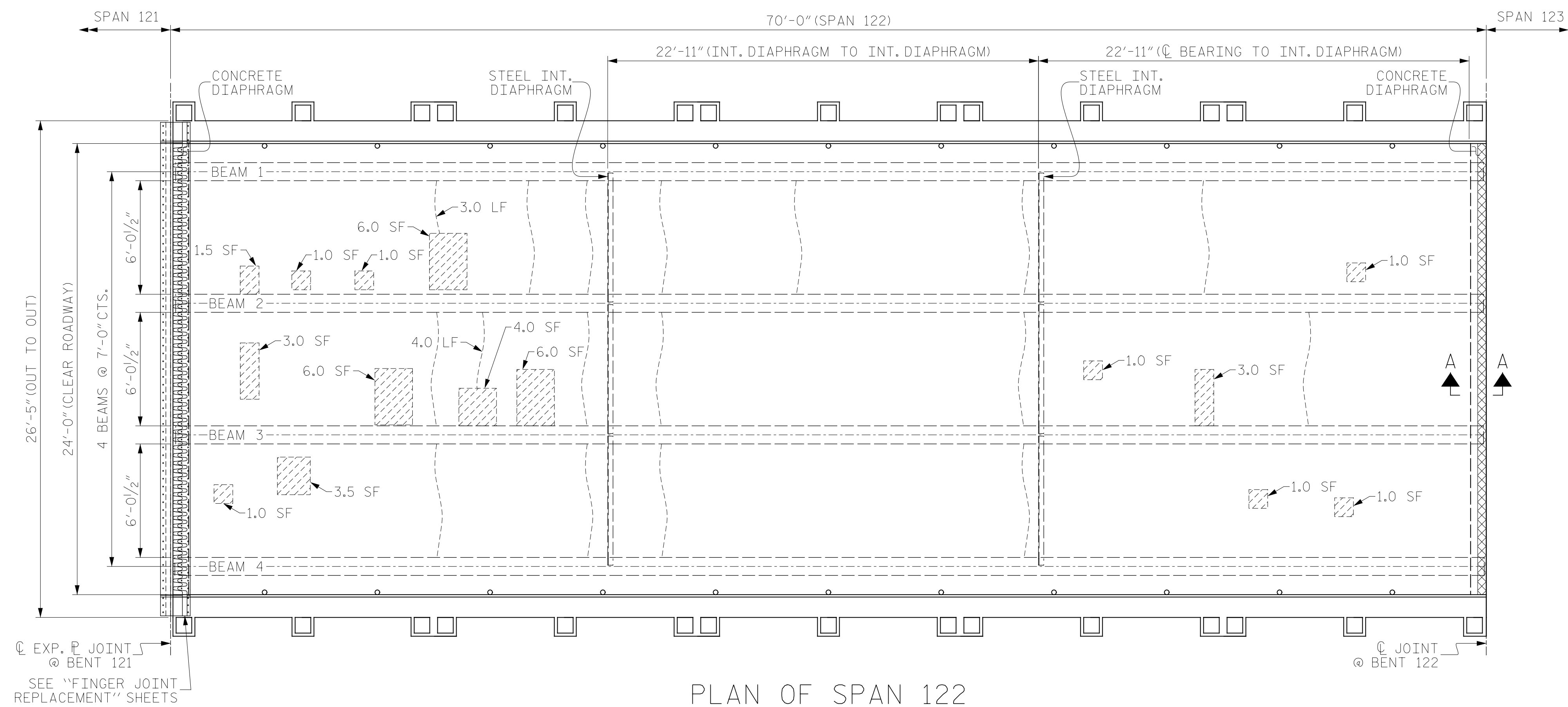
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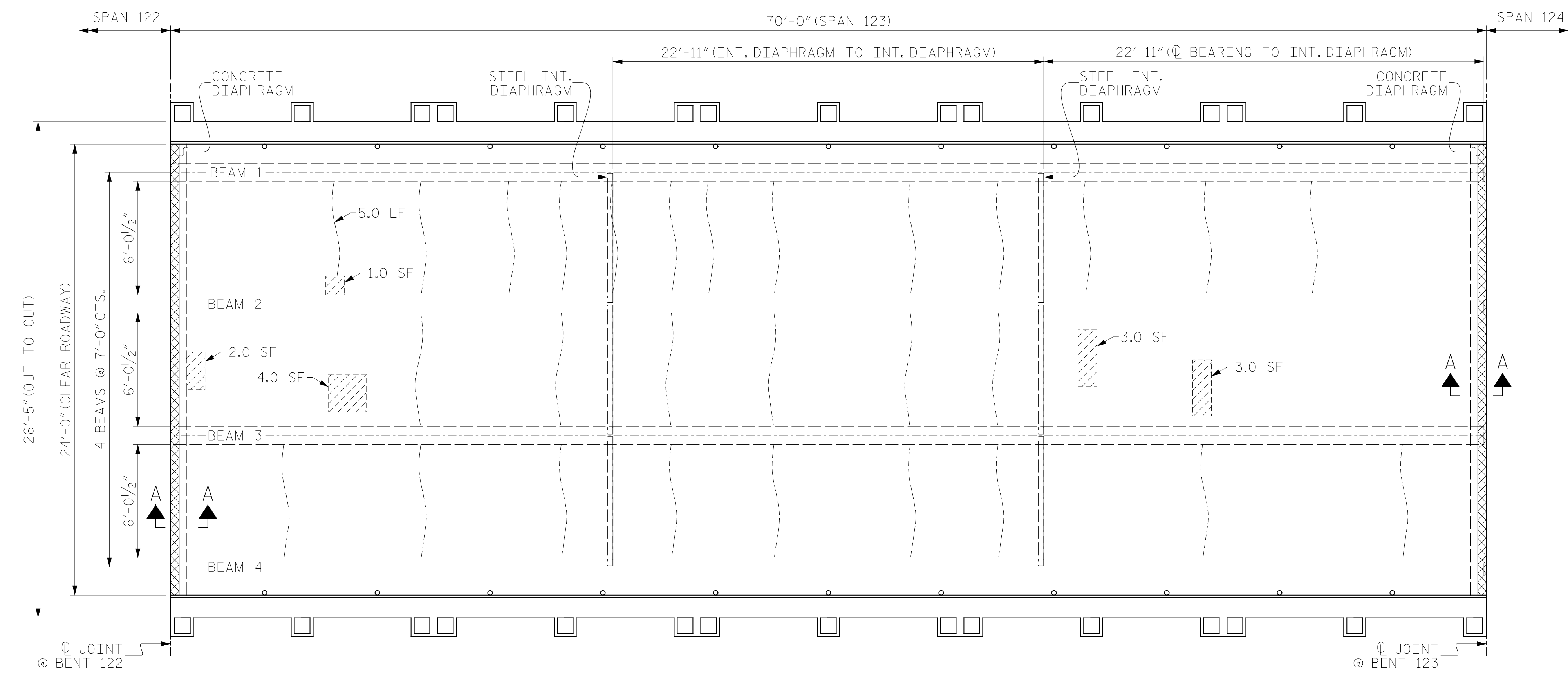


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PLAN OF SPAN 122



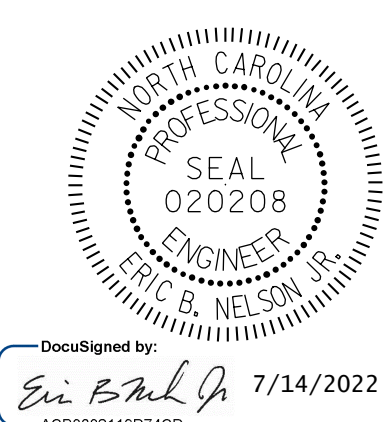
PLAN OF SPAN 123

| SUMMARY OF QUANTITIES FOR SPAN 122 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 13.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 97.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 123 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.3 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 168.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 122 THRU 123

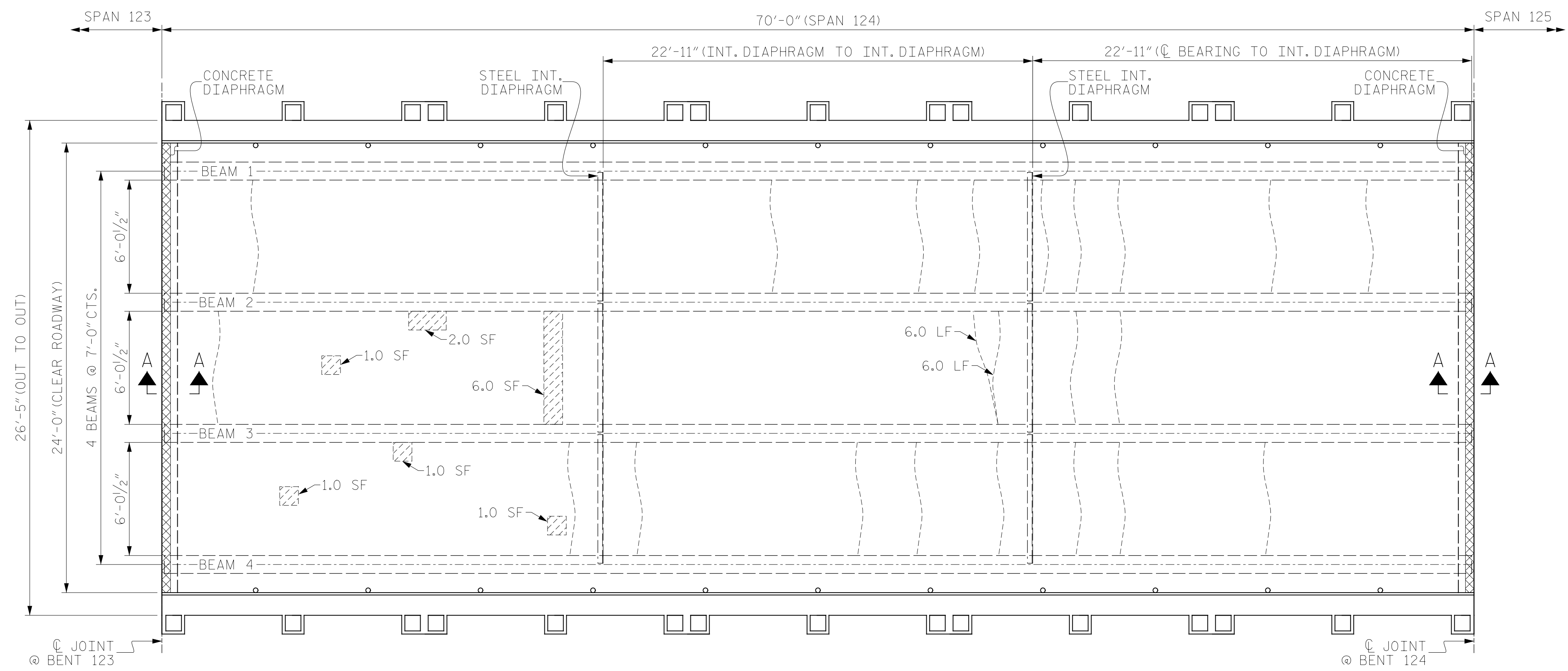
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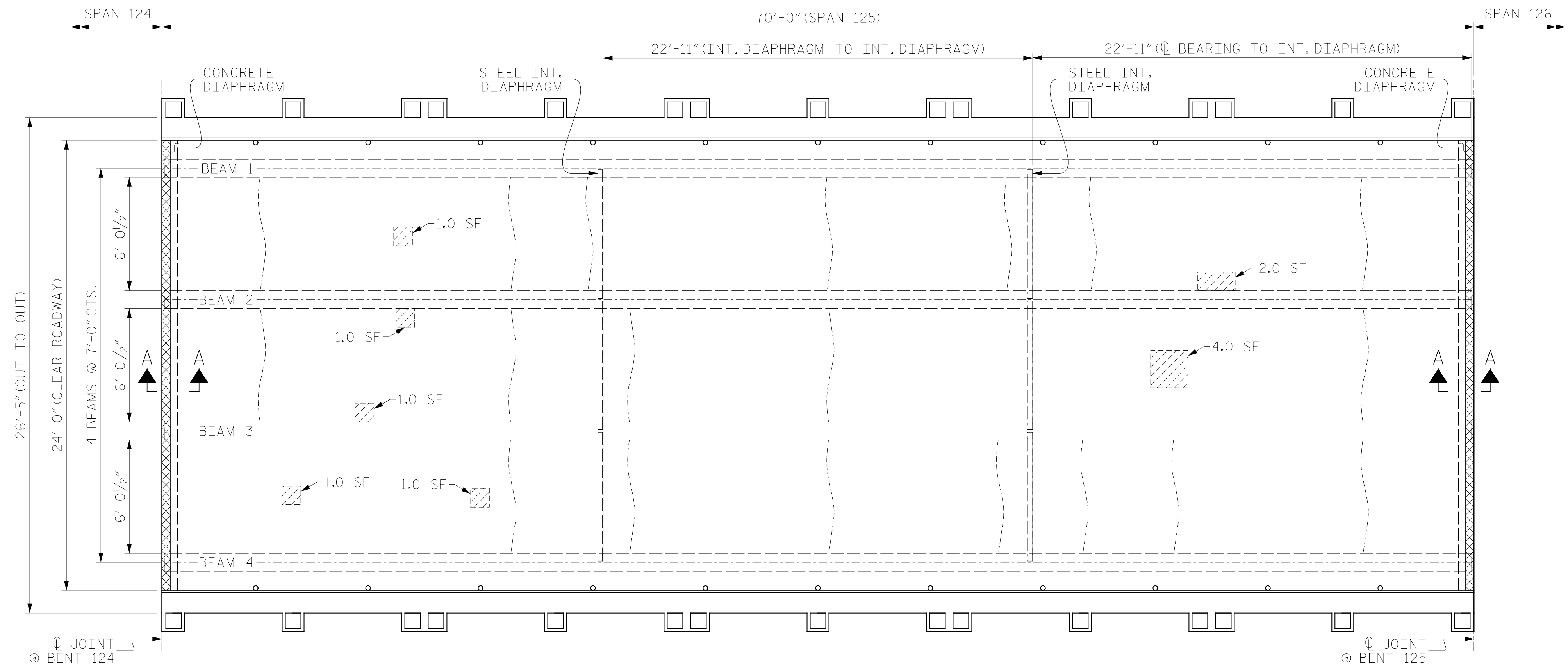


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PLAN OF SPAN 124



PLAN OF SPAN 125

| SUMMARY OF QUANTITIES FOR SPAN 124 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.0 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 132.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 125 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.7 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 114.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
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 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 124 THRU 125

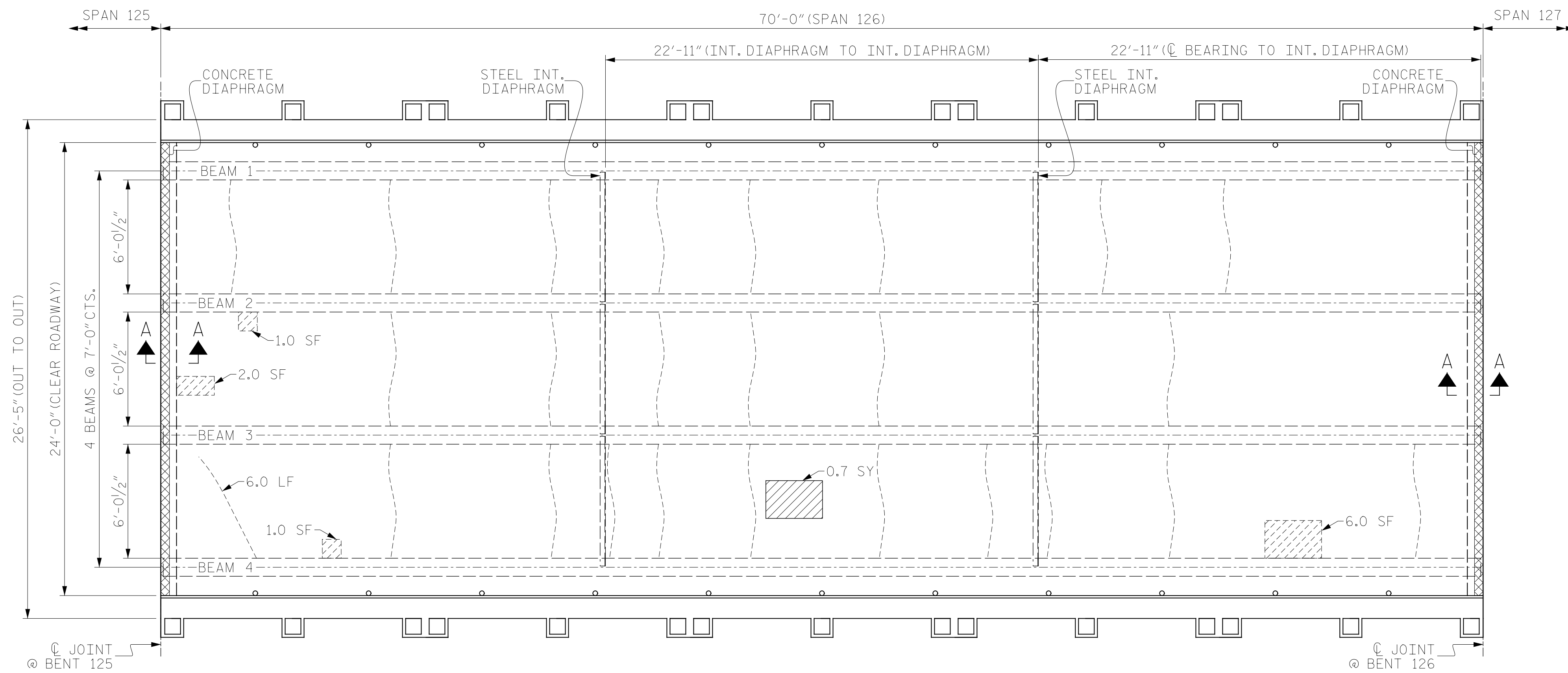
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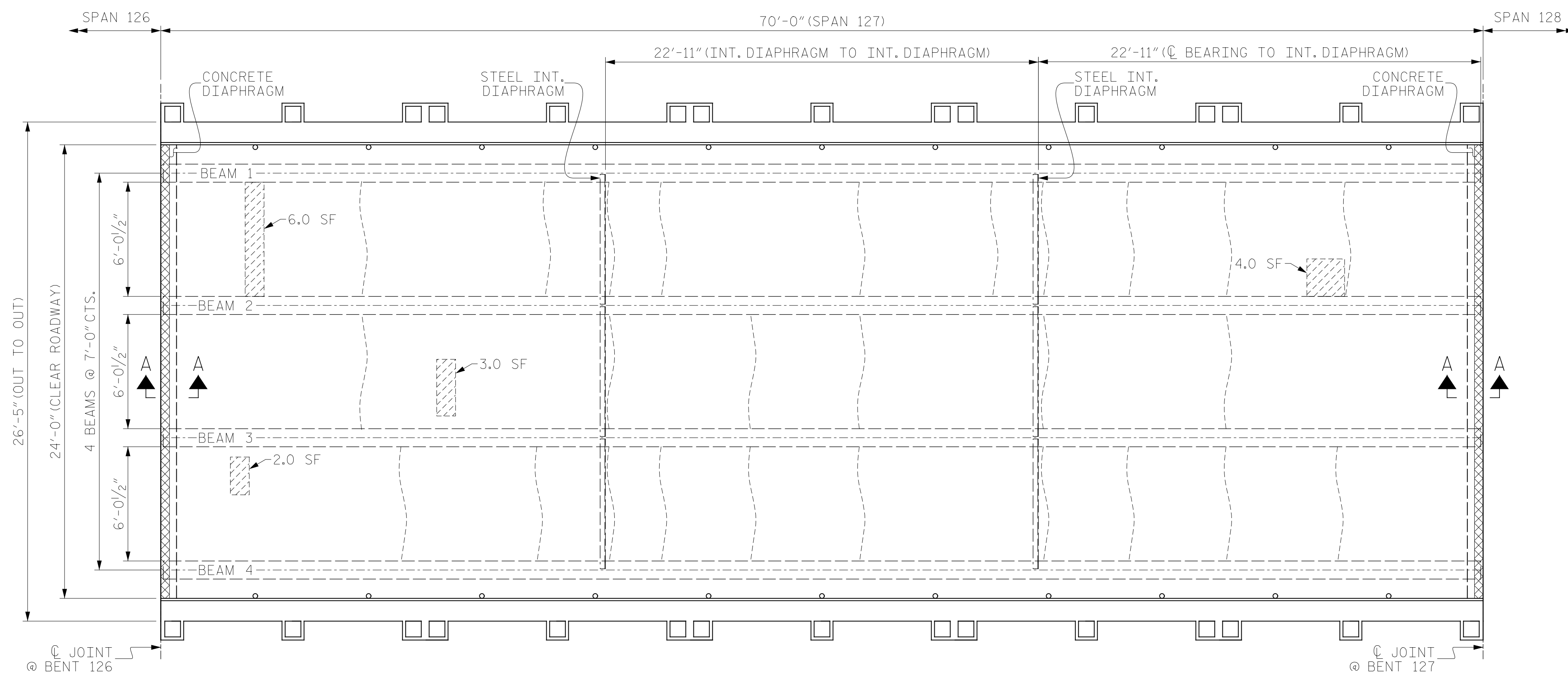


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PLAN OF SPAN 126



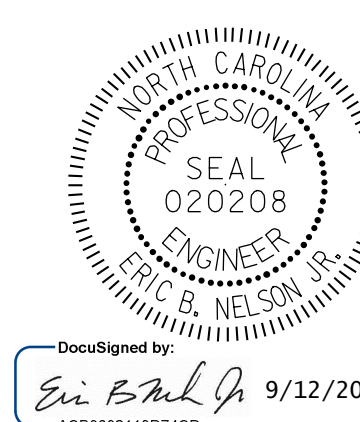
PLAN OF SPAN 127

| SUMMARY OF QUANTITIES FOR SPAN 126 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.4 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | 0.7 SY | |
| CLASS III SURFACE PREPARATION | 1.3 CF | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | 1.7 CF | |
| CRACK PRETREATMENT | 151.0 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 127 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 5.0 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 157.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 126 THRU 127

NOTE:

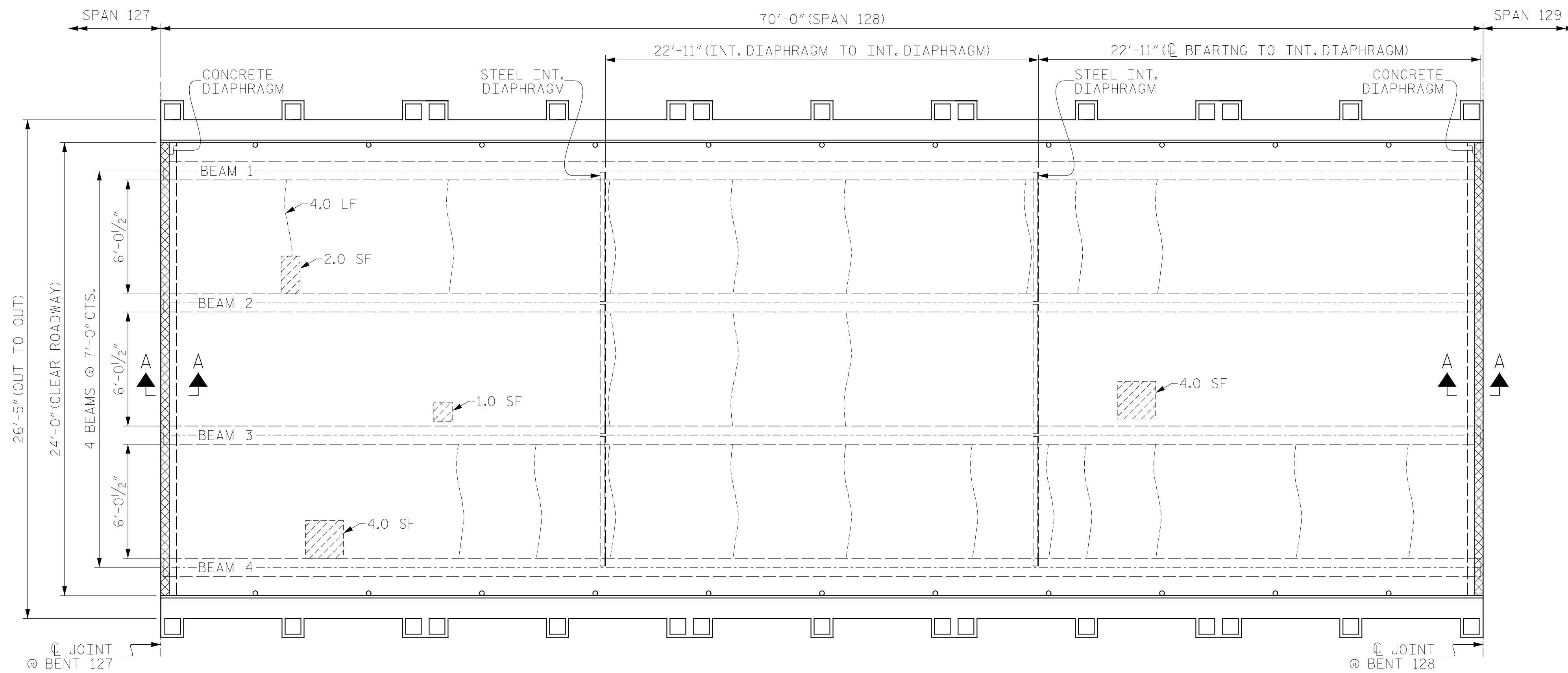
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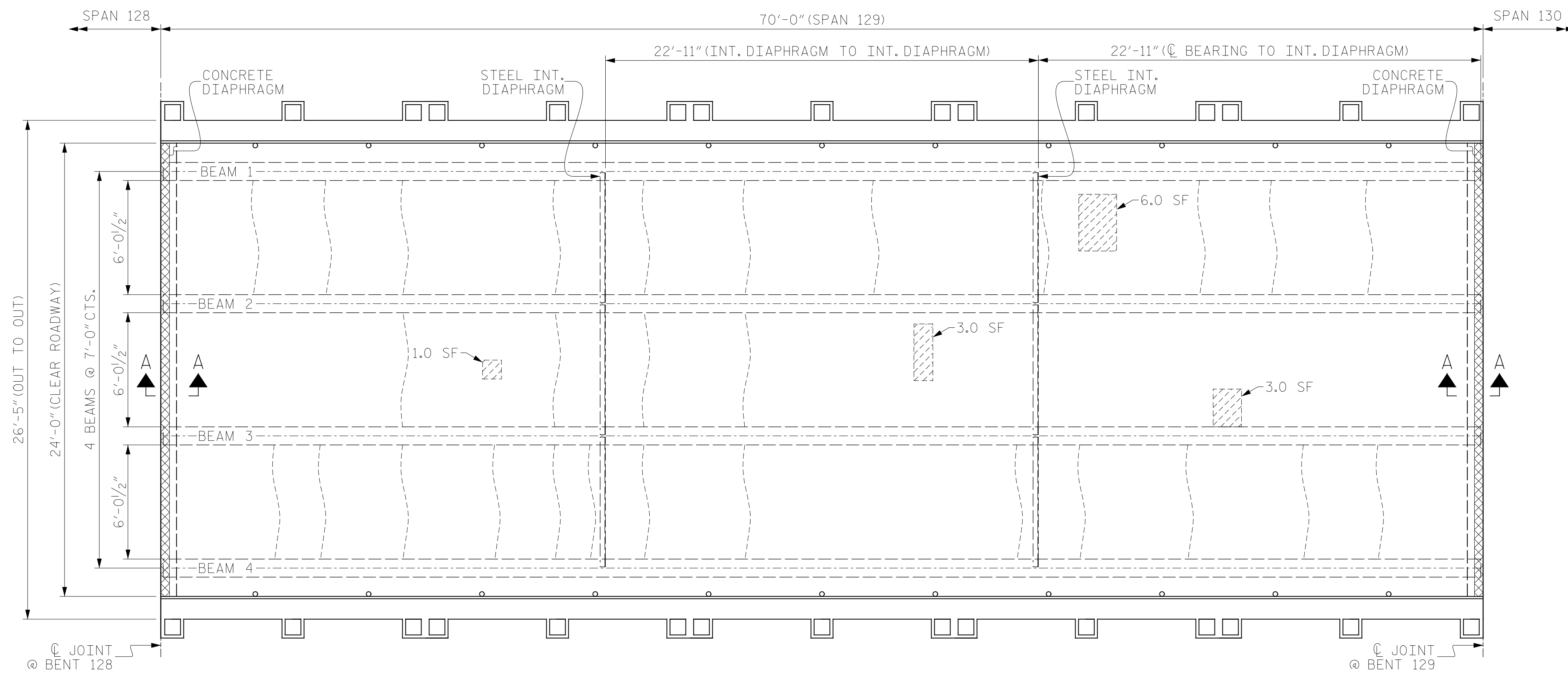


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PLAN OF SPAN 128



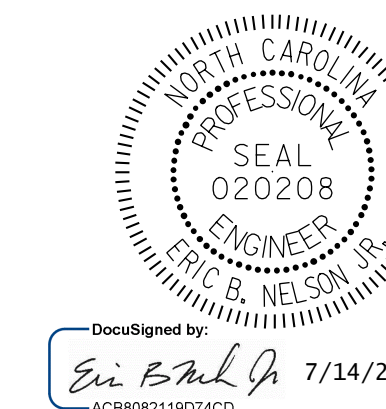
PLAN OF SPAN 129

| SUMMARY OF QUANTITIES FOR SPAN 128 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.7 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 130.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 129 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.4 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 169.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 128 THRU 129

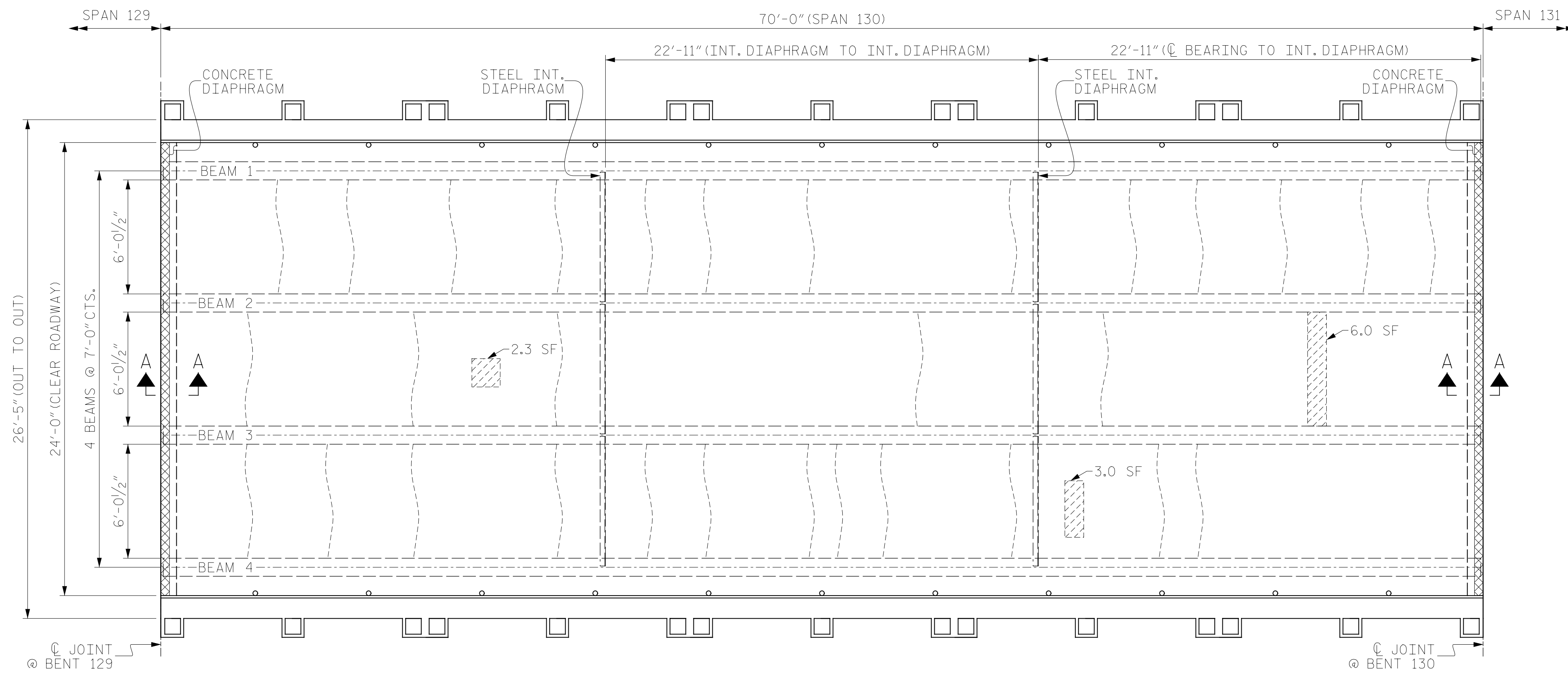
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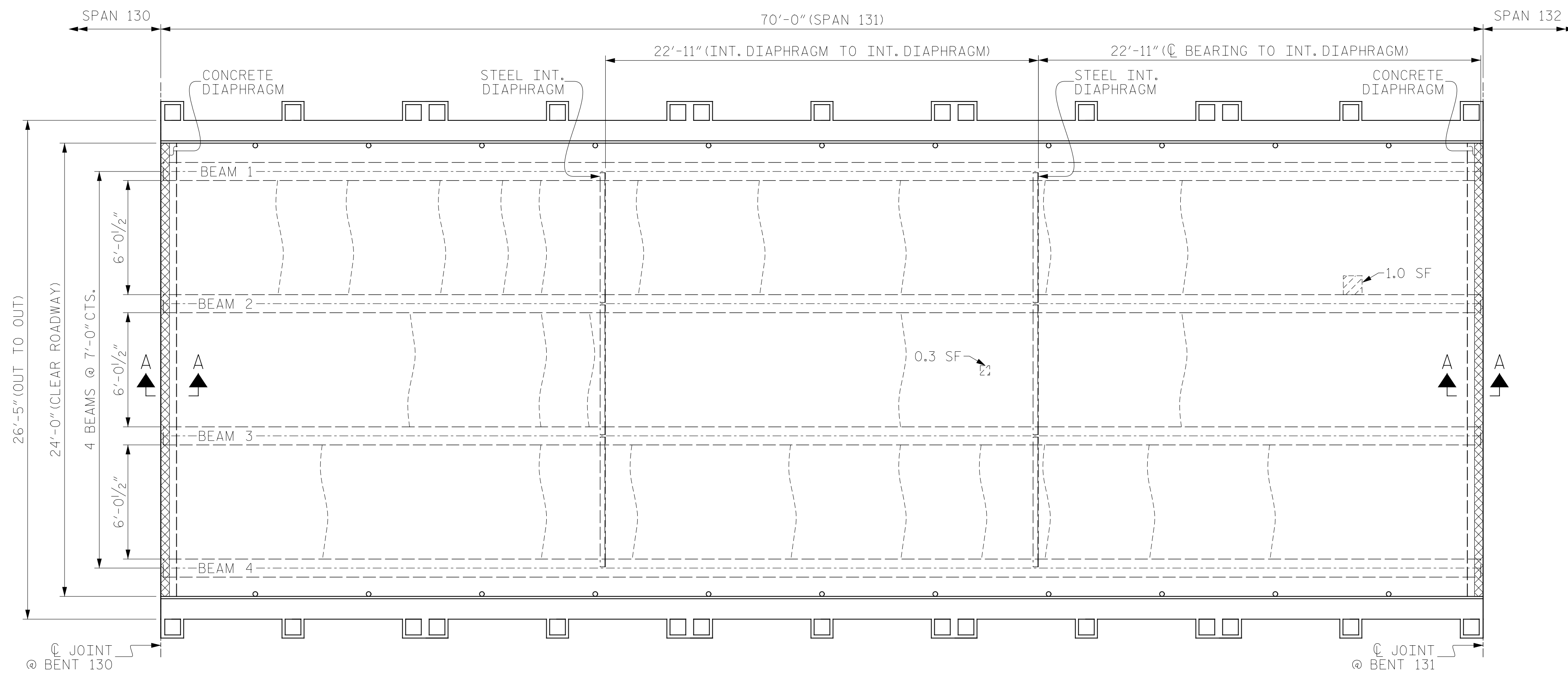


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PLAN OF SPAN 130



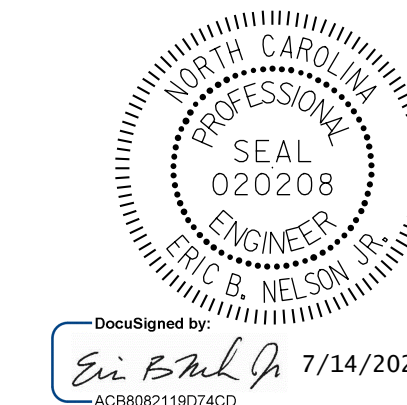
PLAN OF SPAN 131

| SUMMARY OF QUANTITIES FOR SPAN 130 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.8 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 181.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 131 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.5 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 145.0 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 130 THRU 131

NOTE:

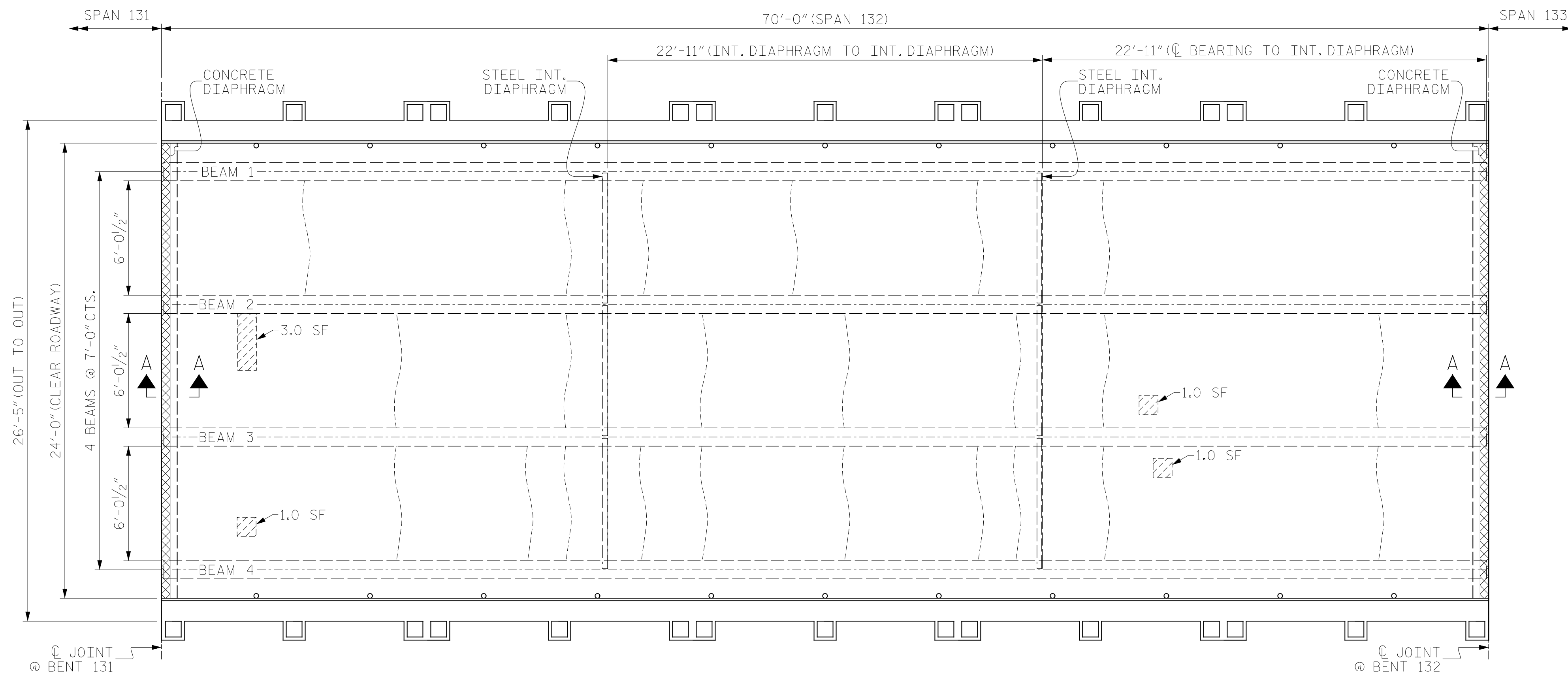
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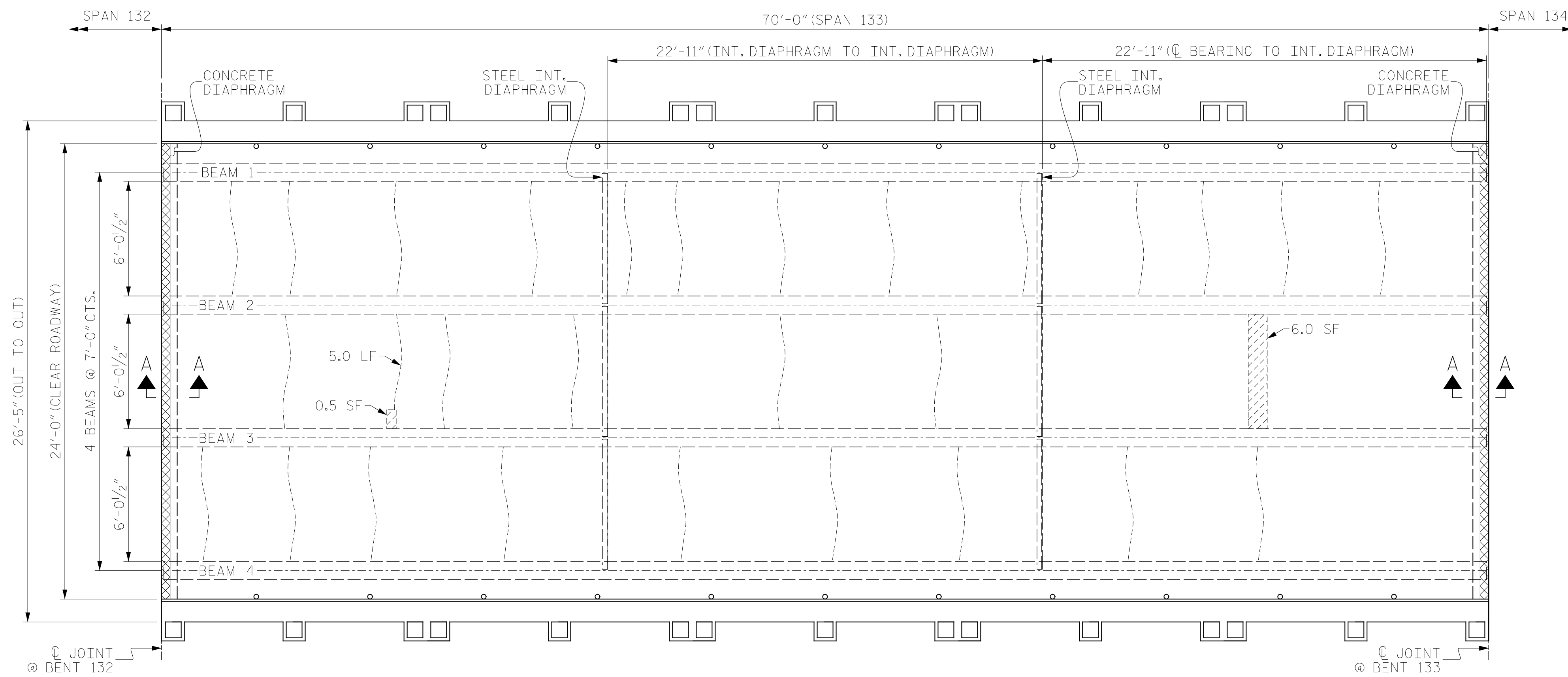


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PLAN OF SPAN 132



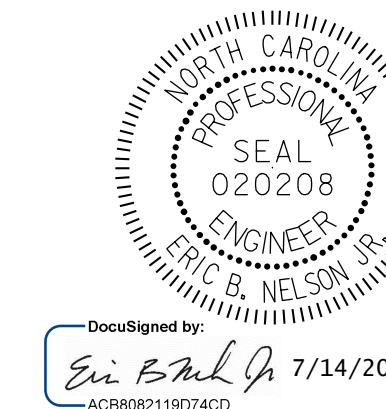
PLAN OF SPAN 133

| SUMMARY OF QUANTITIES FOR SPAN 132 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.0 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 139.0 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 133 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.2 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 168.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 SPANS 132 THRU 133

NOTE:

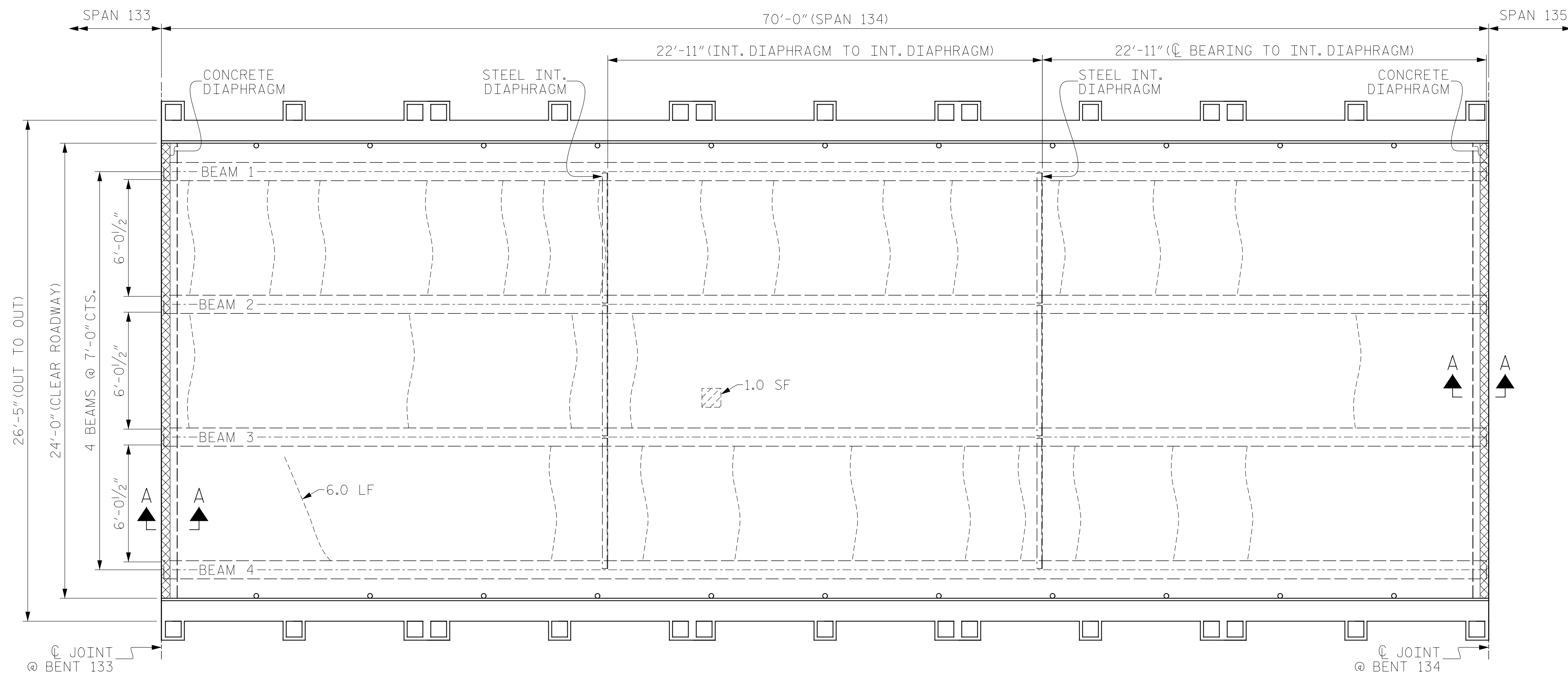
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES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

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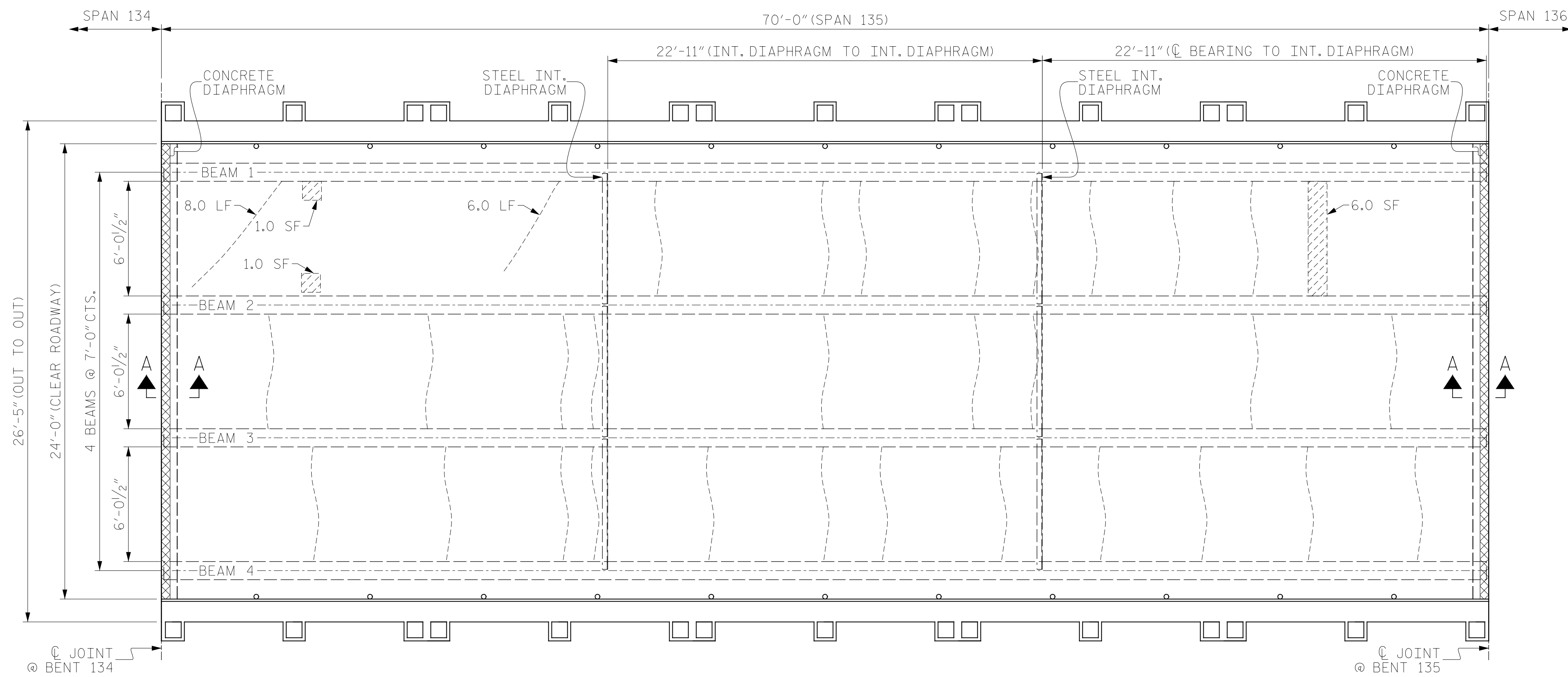


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PLAN OF SPAN 134



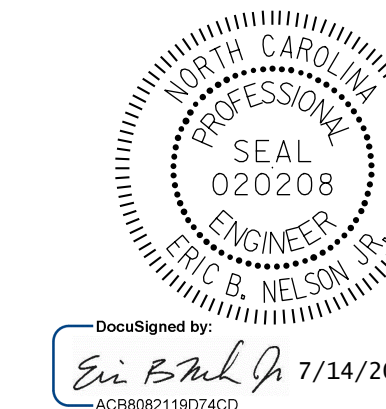
PLAN OF SPAN 135

| SUMMARY OF QUANTITIES FOR SPAN 134 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 175.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 135 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.7 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 189.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 134 THRU 135

NOTE:

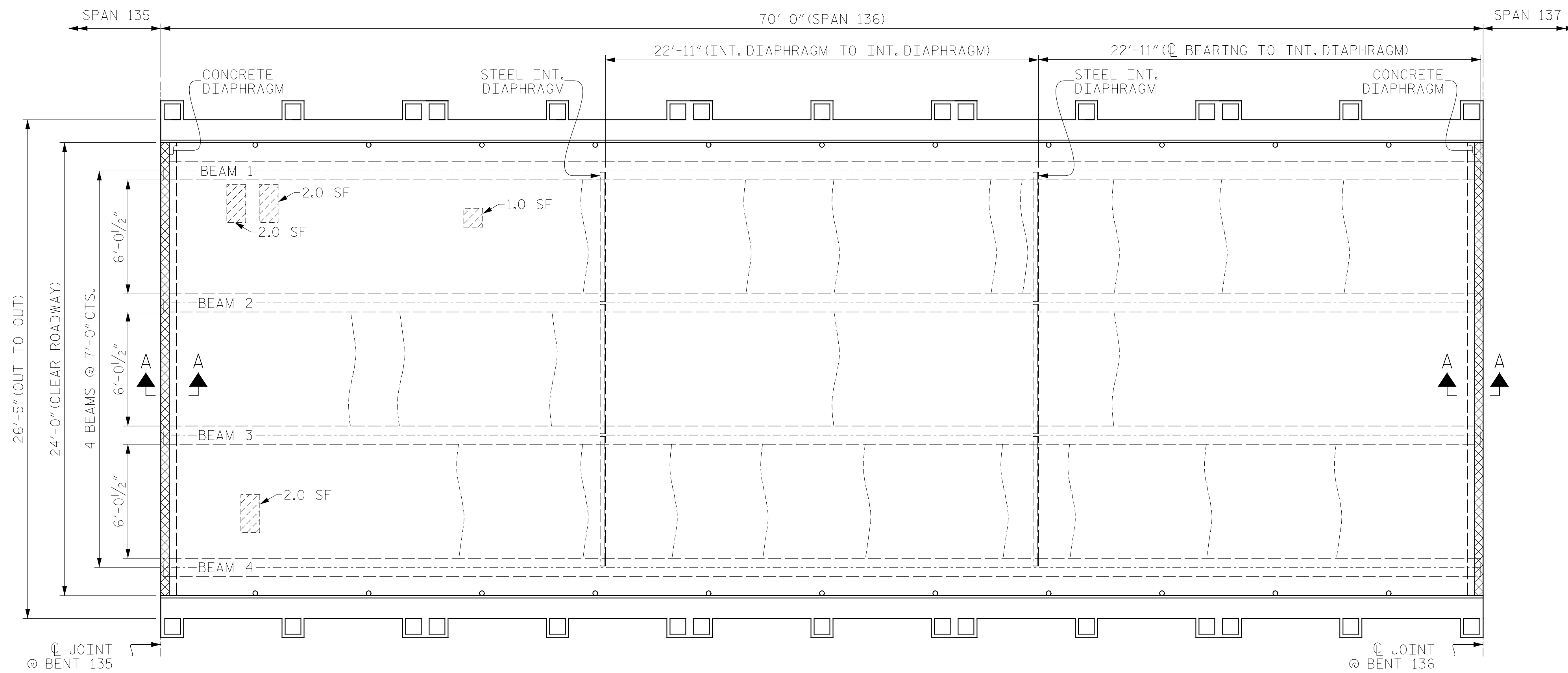
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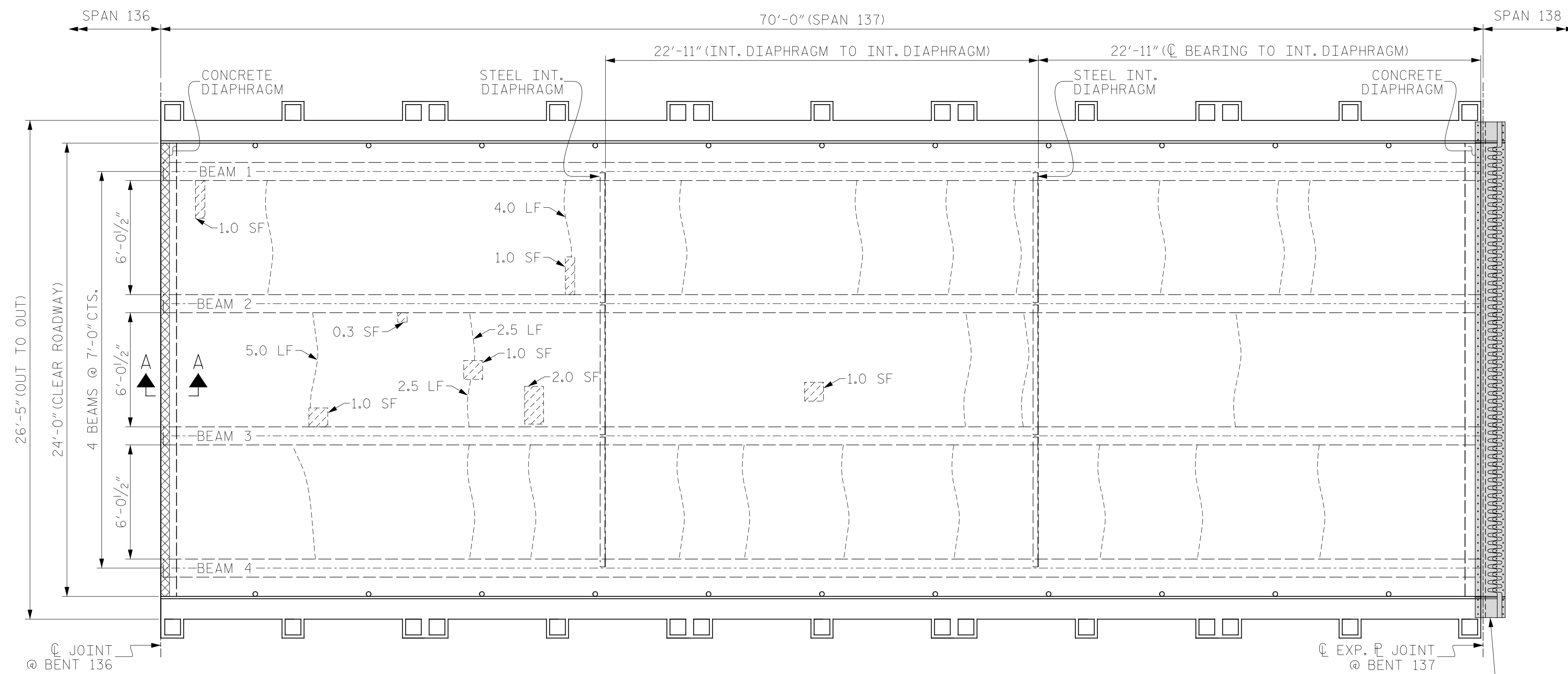


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PLAN OF SPAN 136



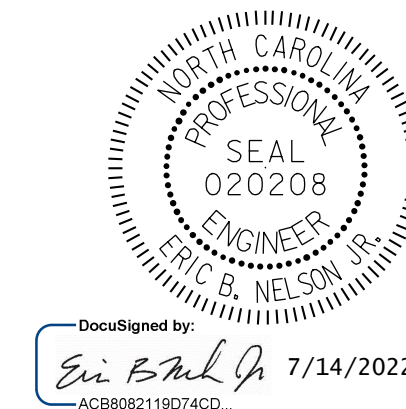
PLAN OF SPAN 137

| SUMMARY OF QUANTITIES FOR SPAN 136 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.4 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 132.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 137 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 140.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.4 SY | |
| MMA OVERLAY SYSTEM | 1659.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 136 THRU 137

NOTE:

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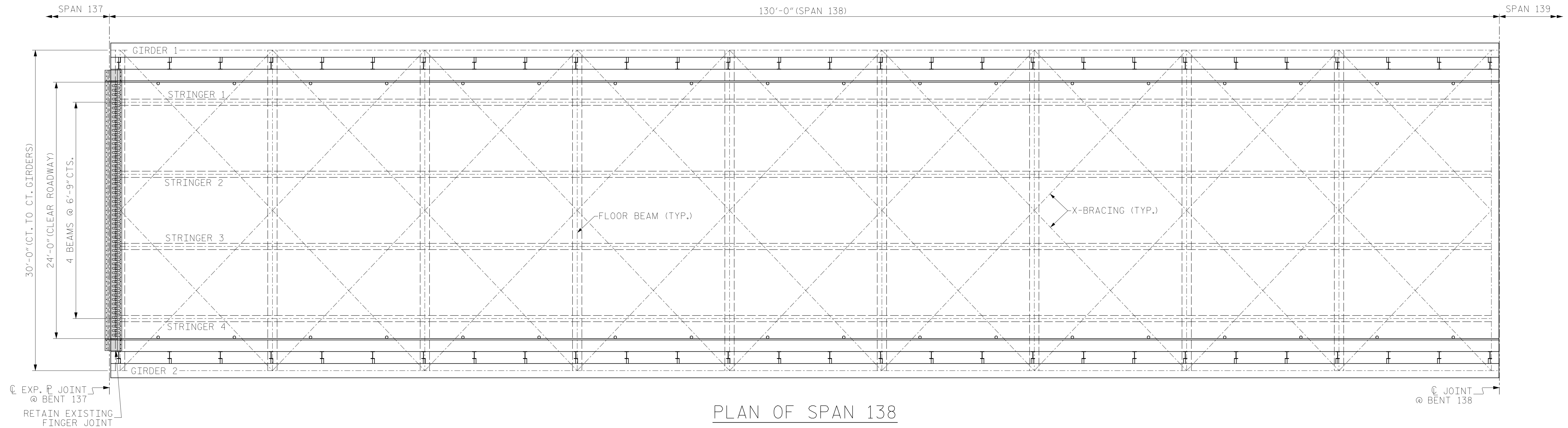
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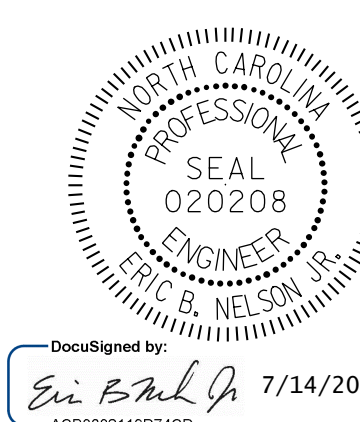
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| 2 | | | 4 | | | 355 |

| SUMMARY OF QUANTITIES FOR SPAN 136 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | - | |
| MMA OVERLAY SYSTEM | 3091.0 SF | |



- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPAN 138**

NOTE:
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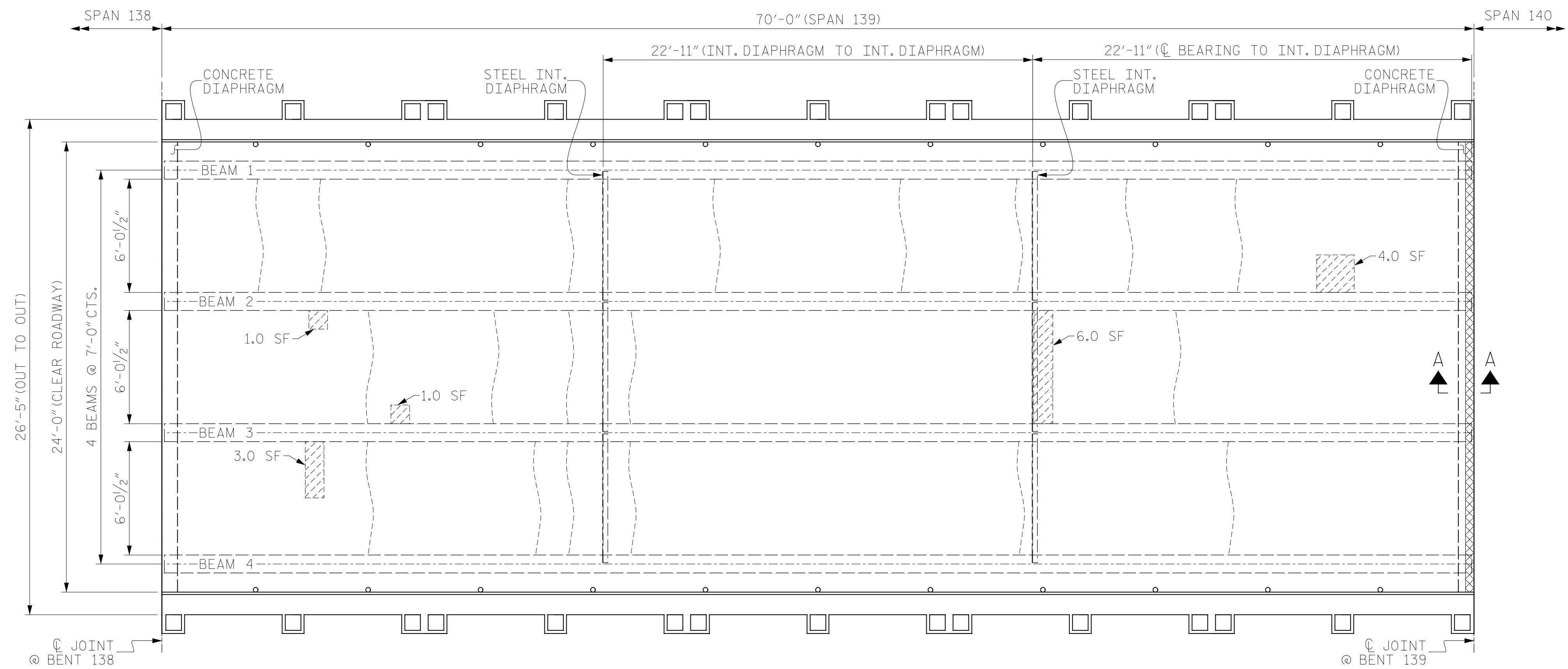
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| 1 | | | 3 | | | 355 |
| 2 | | | 4 | | | |

| SUMMARY OF QUANTITIES FOR SPAN 139 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 5.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 114.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 185.5 SY | |
| MMA OVERLAY SYSTEM | 1669.0 SF | |



PLAN OF SPAN 139

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
BRIDGE NO. 270009



DocuSigned by:
Eric B. Nelson, Jr. 7/14/2022
ACB802119D74CD

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SURFACE PREPARATION
& UNDERDECK REPAIRS
SPAN 139

NOTE:

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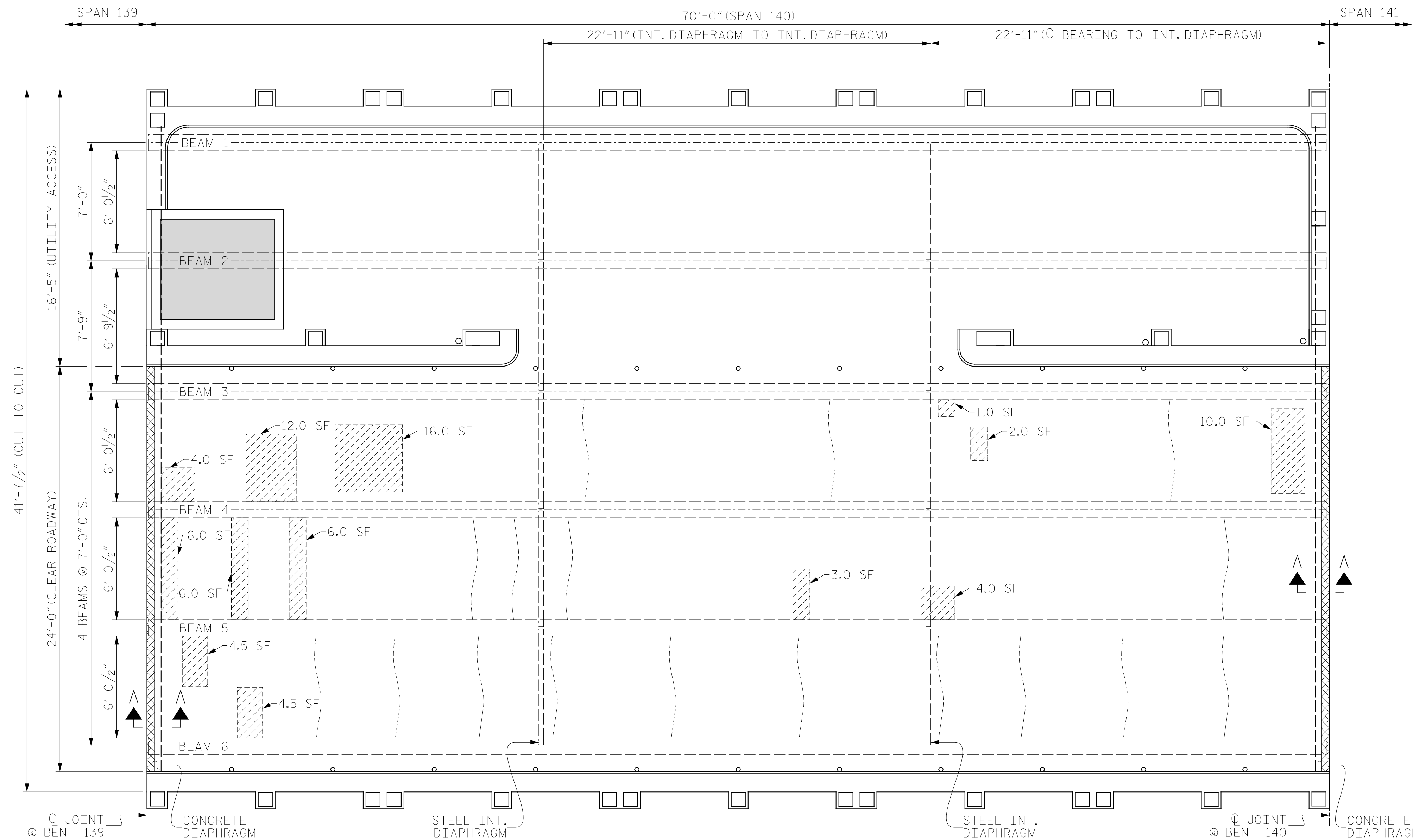
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| 2 | | | 4 | | | 355 |

| SUMMARY OF QUANTITIES FOR SPAN 140 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 26.4 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 102.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 2507.5 SF | |



PLAN OF SPAN 140

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPAN 140

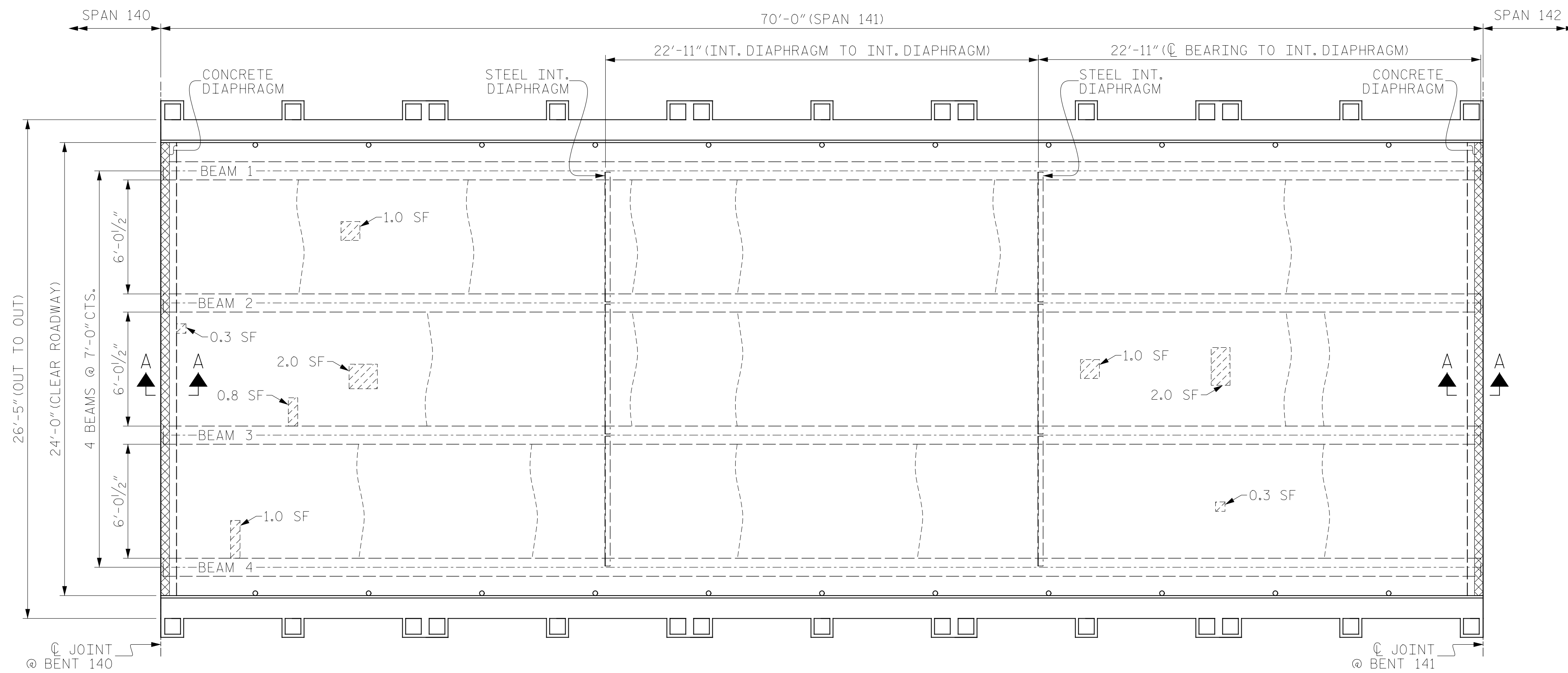
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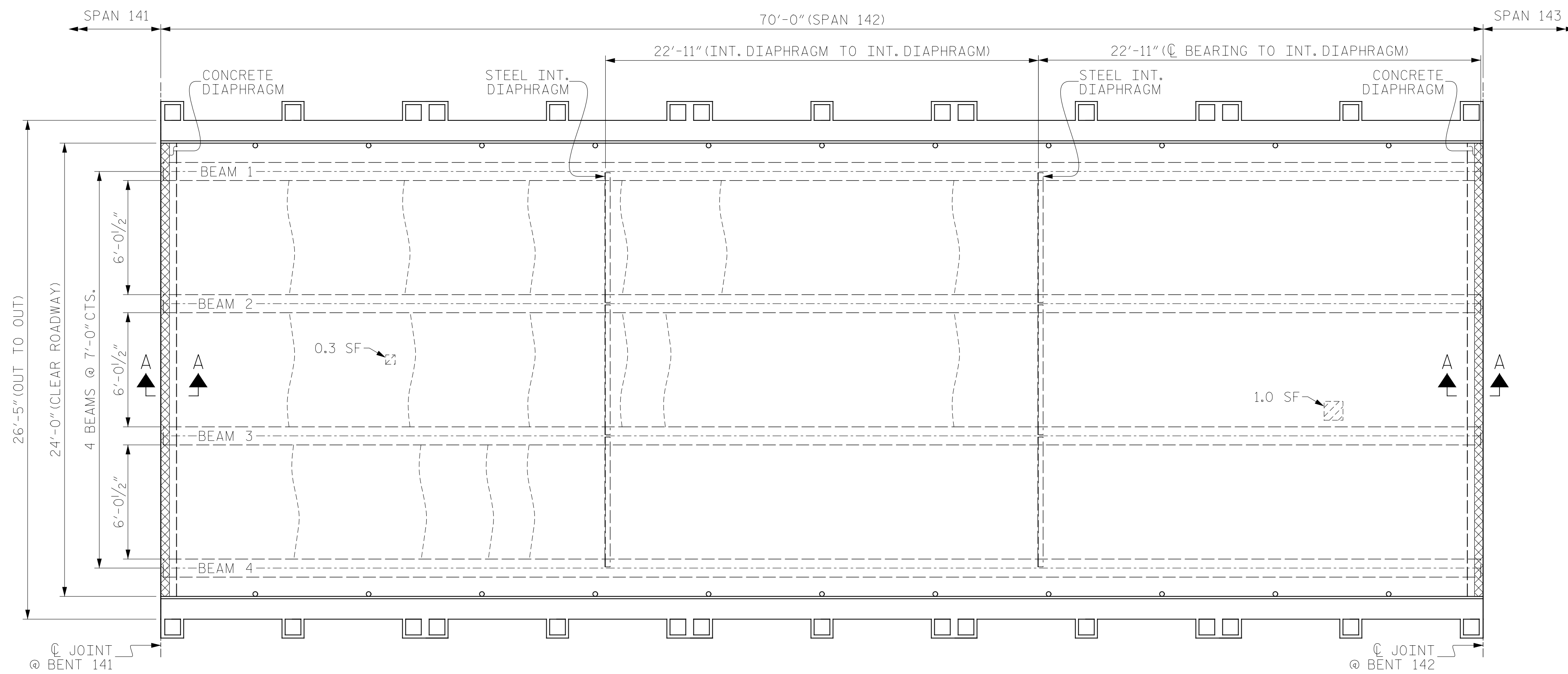


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PLAN OF SPAN 141



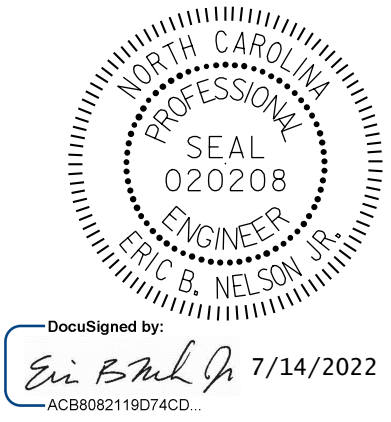
PLAN OF SPAN 142

| SUMMARY OF QUANTITIES FOR SPAN 141 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.8 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 96.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 142 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.5 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 96.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 141 THRU 142

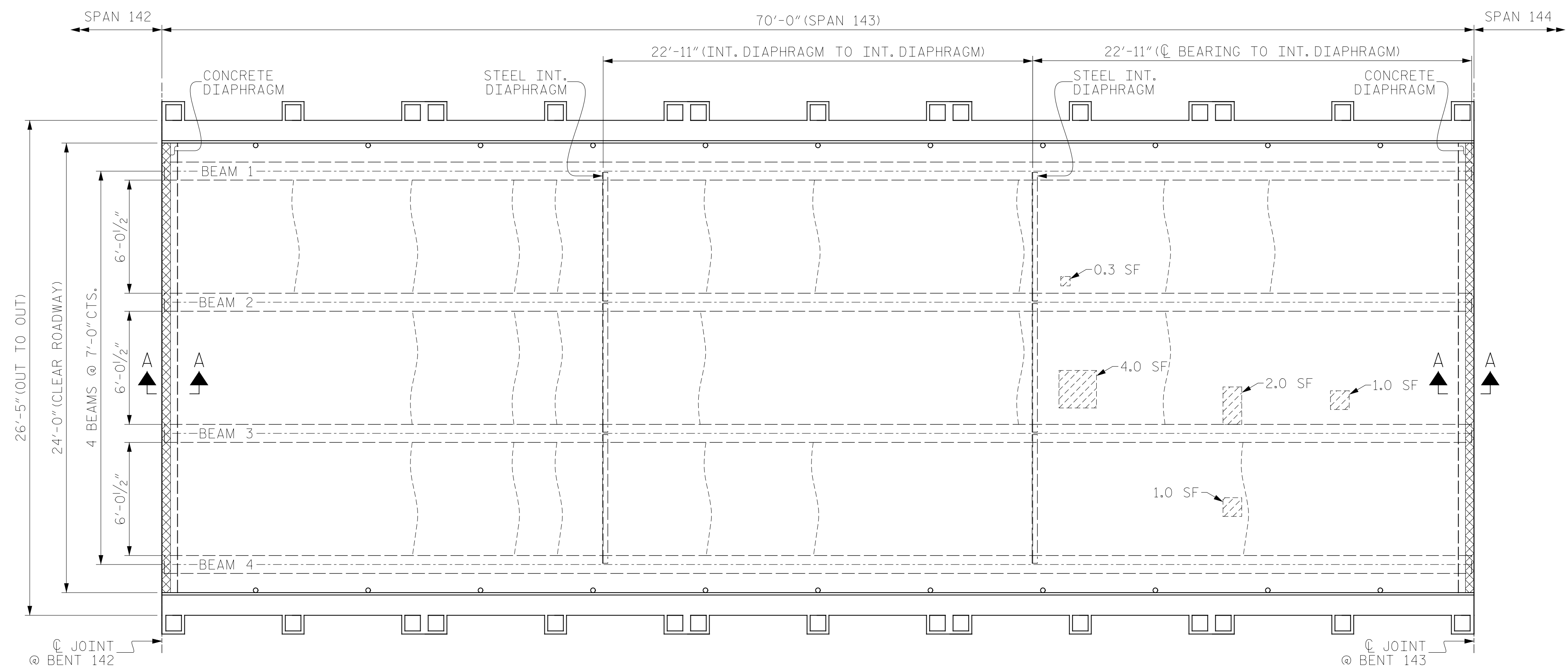
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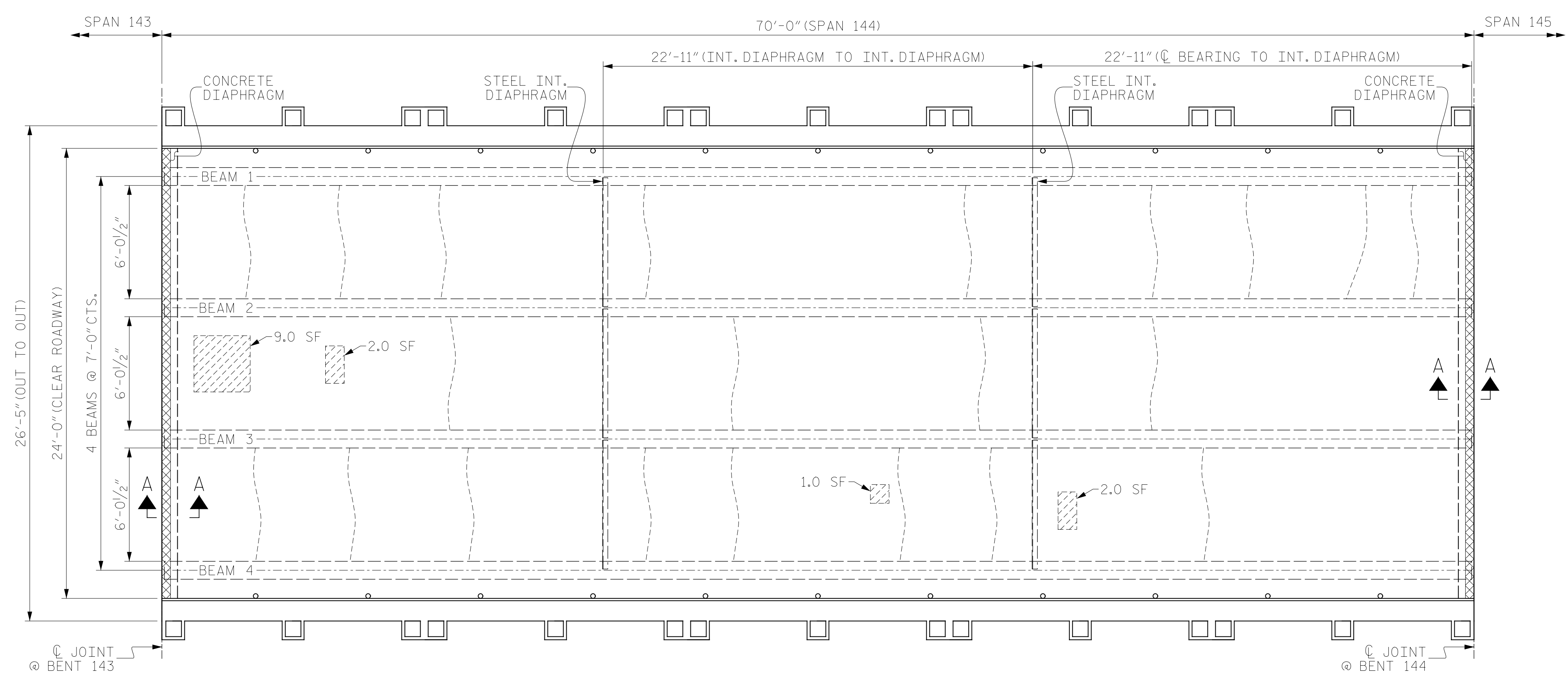


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PLAN OF SPAN 143



PLAN OF SPAN 144

| SUMMARY OF QUANTITIES FOR SPAN 143 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.8 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 126.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 144 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.7 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 126.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 143 THRU 144

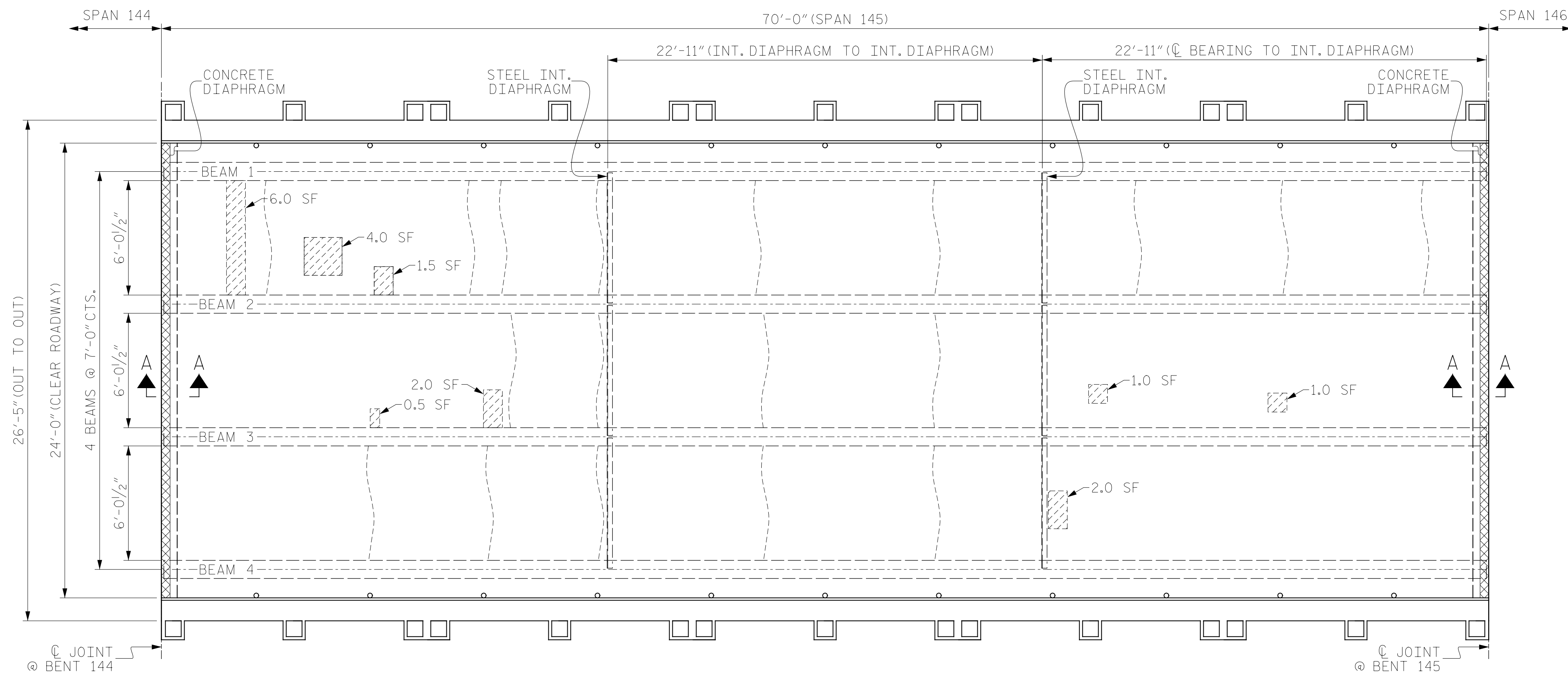
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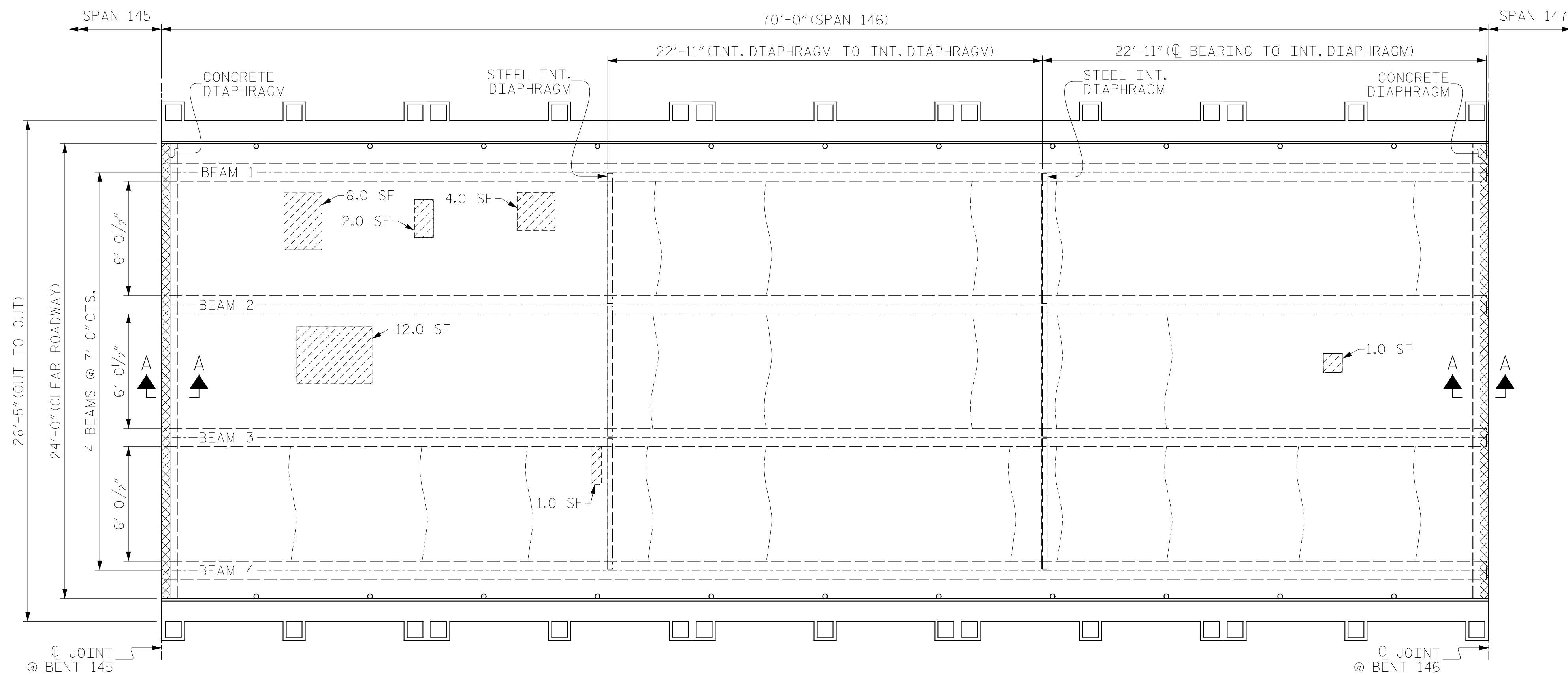


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PLAN OF SPAN 145



PLAN OF SPAN 146

| SUMMARY OF QUANTITIES FOR SPAN 145 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 6.0 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 108.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 146 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 8.7 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 120.8 | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 145 THRU 146

NOTE:

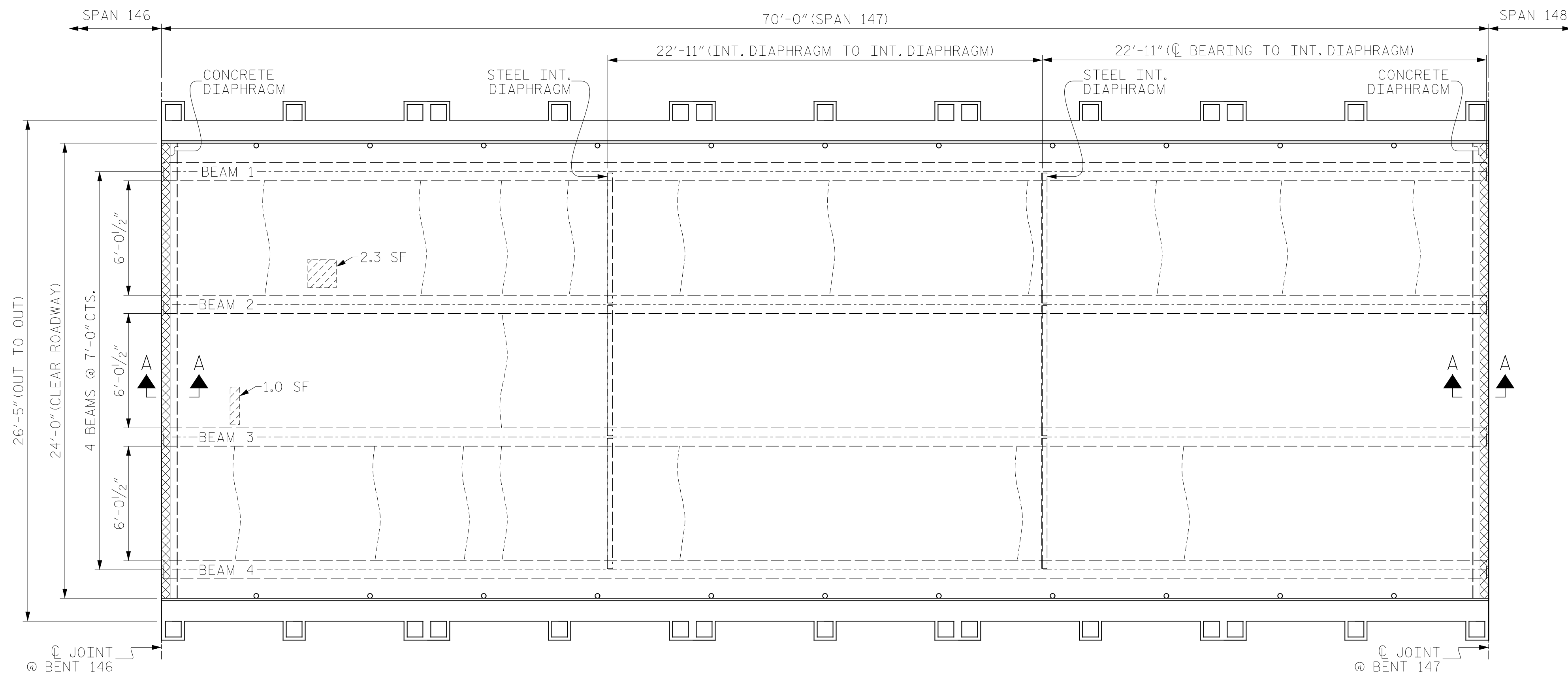
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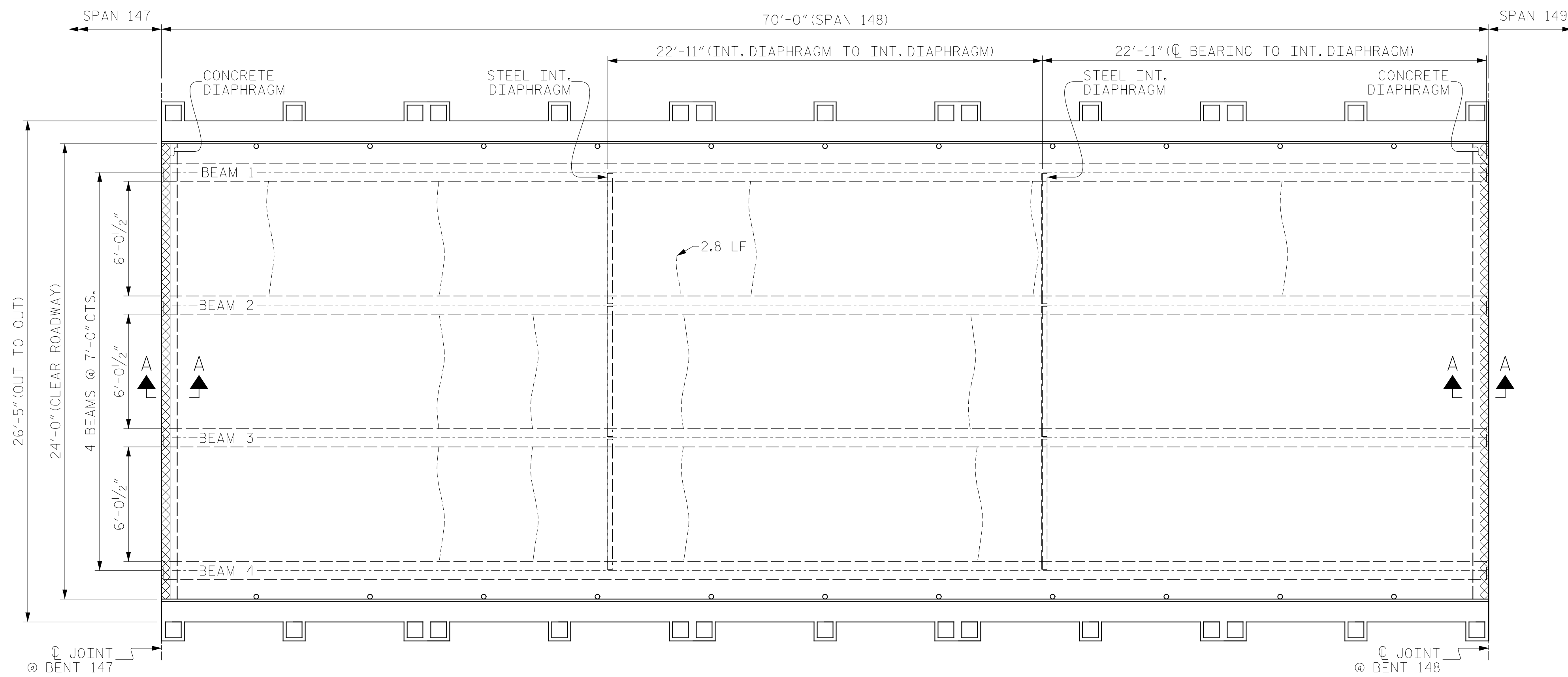


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| 2 | | | 4 | | | TOTAL SHEETS 355 |



PLAN OF SPAN 147



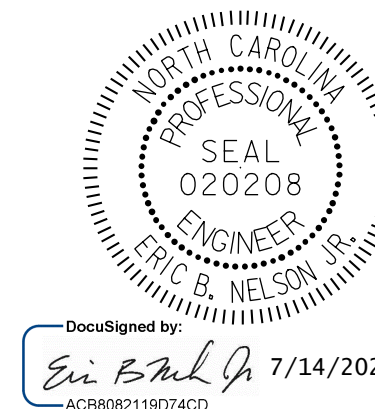
PLAN OF SPAN 148

| SUMMARY OF QUANTITIES FOR SPAN 147 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.1 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 108.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 148 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 81.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 147 THRU 148

NOTE:

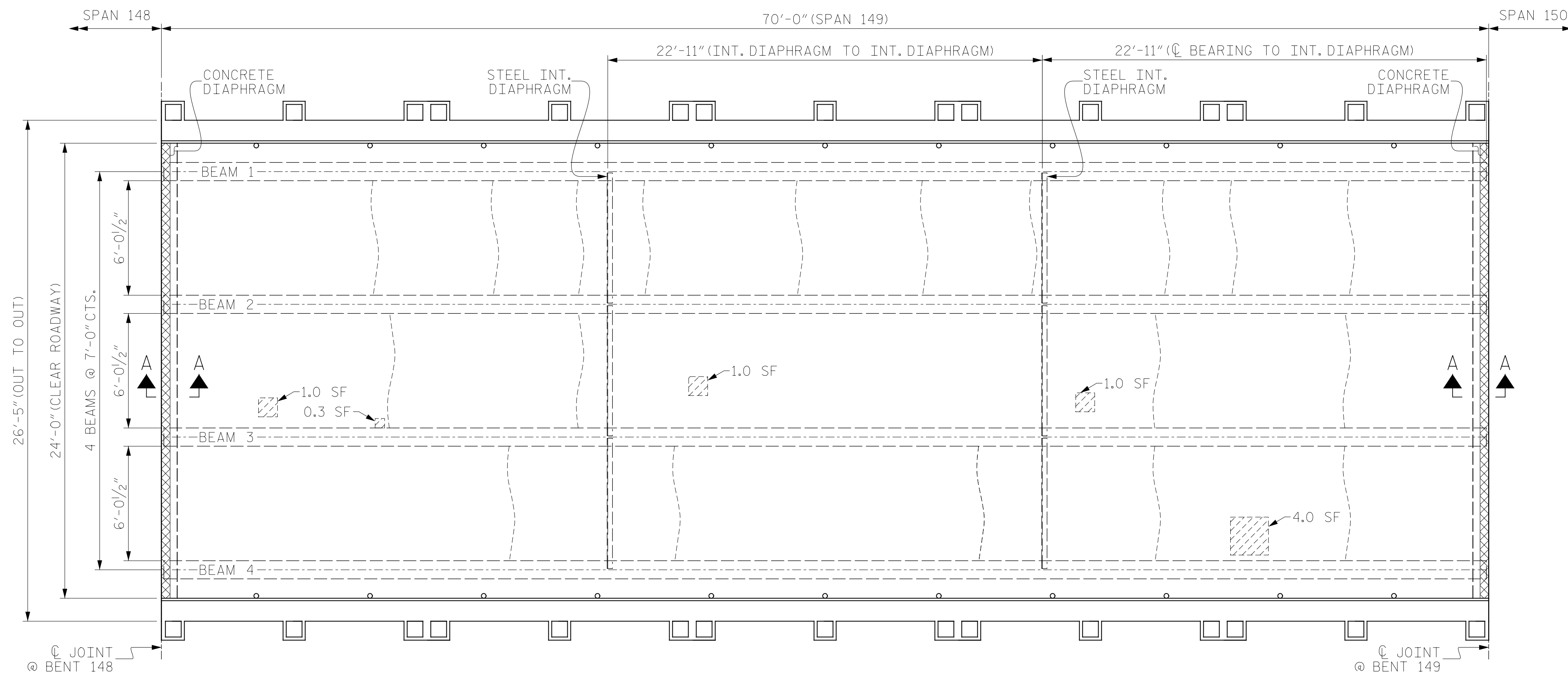
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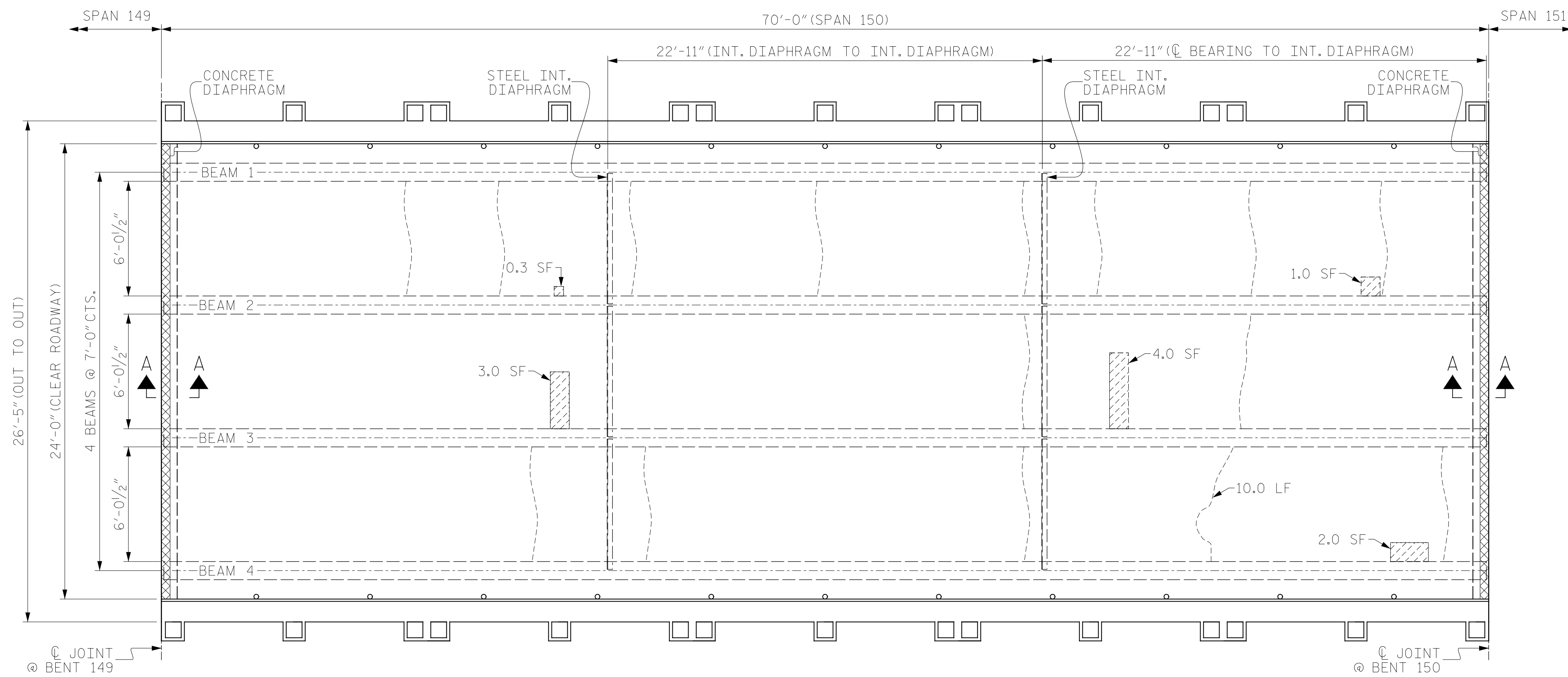


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PLAN OF SPAN 149



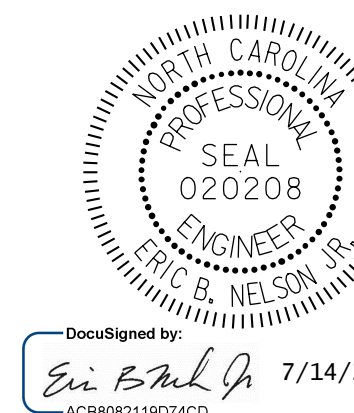
PLAN OF SPAN 150

| SUMMARY OF QUANTITIES FOR SPAN 149 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.4 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 114.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 150 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.5 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 94.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 149 THRU 150**

NOTE:

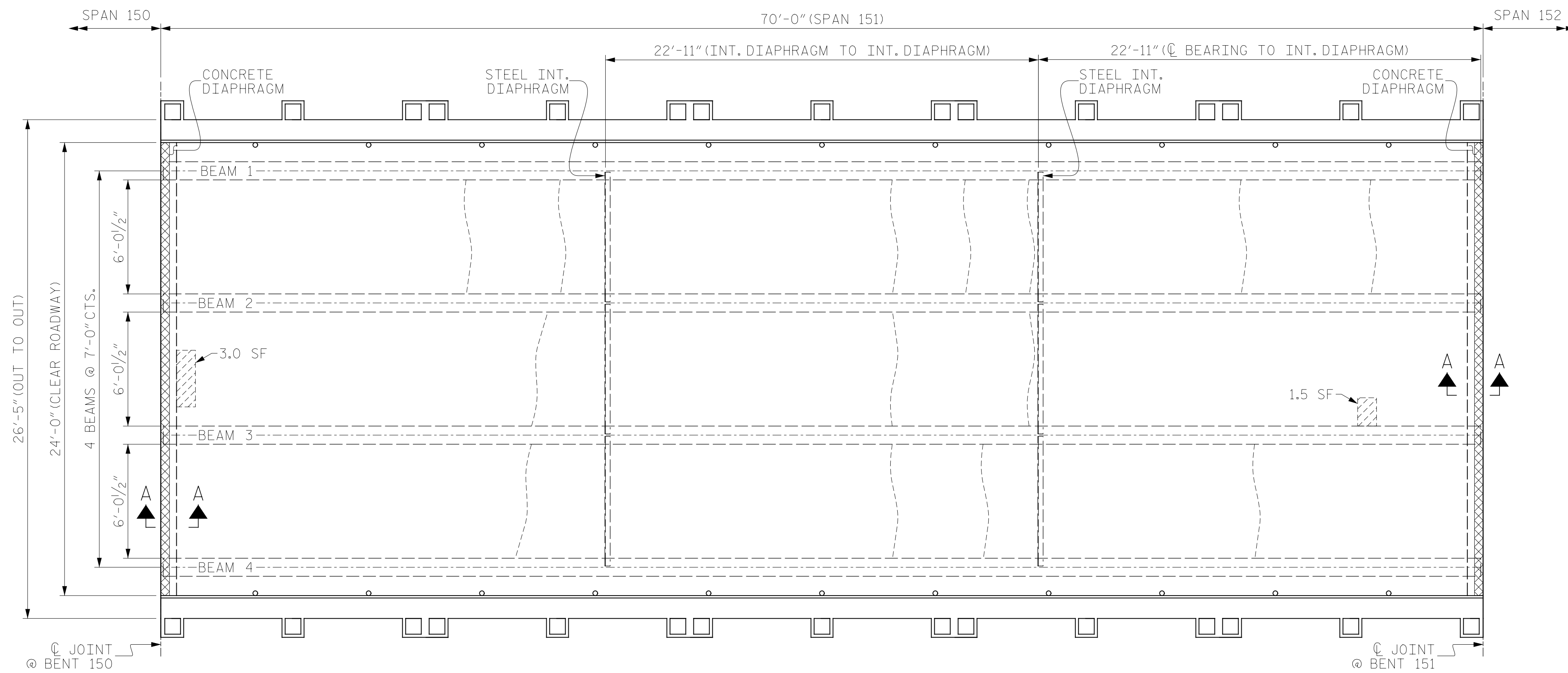
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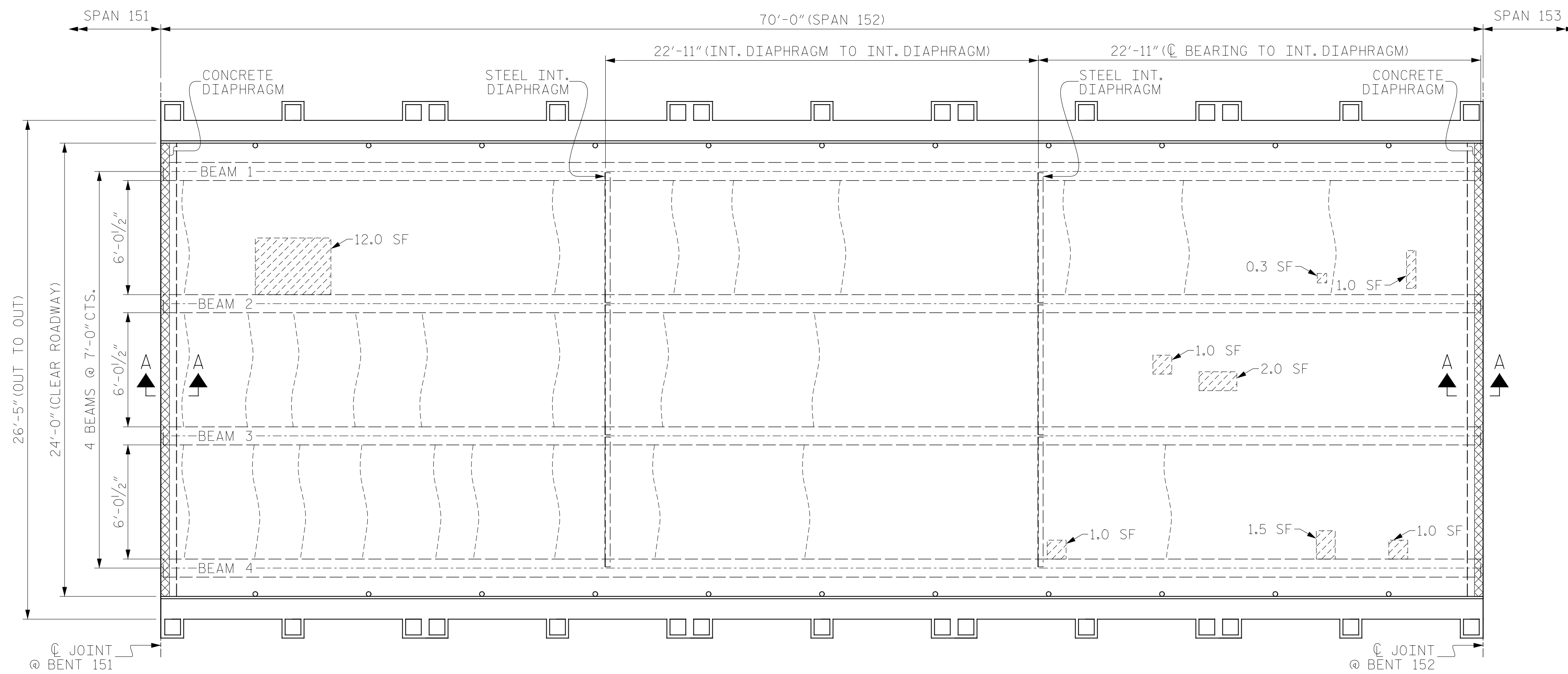


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PLAN OF SPAN 151



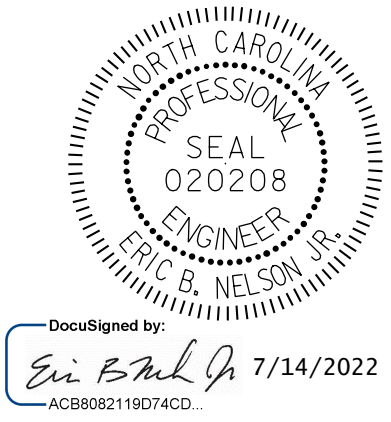
PLAN OF SPAN 152

| SUMMARY OF QUANTITIES FOR SPAN 151 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.5 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 84.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 152 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 6.6 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 157.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 151 THRU 152

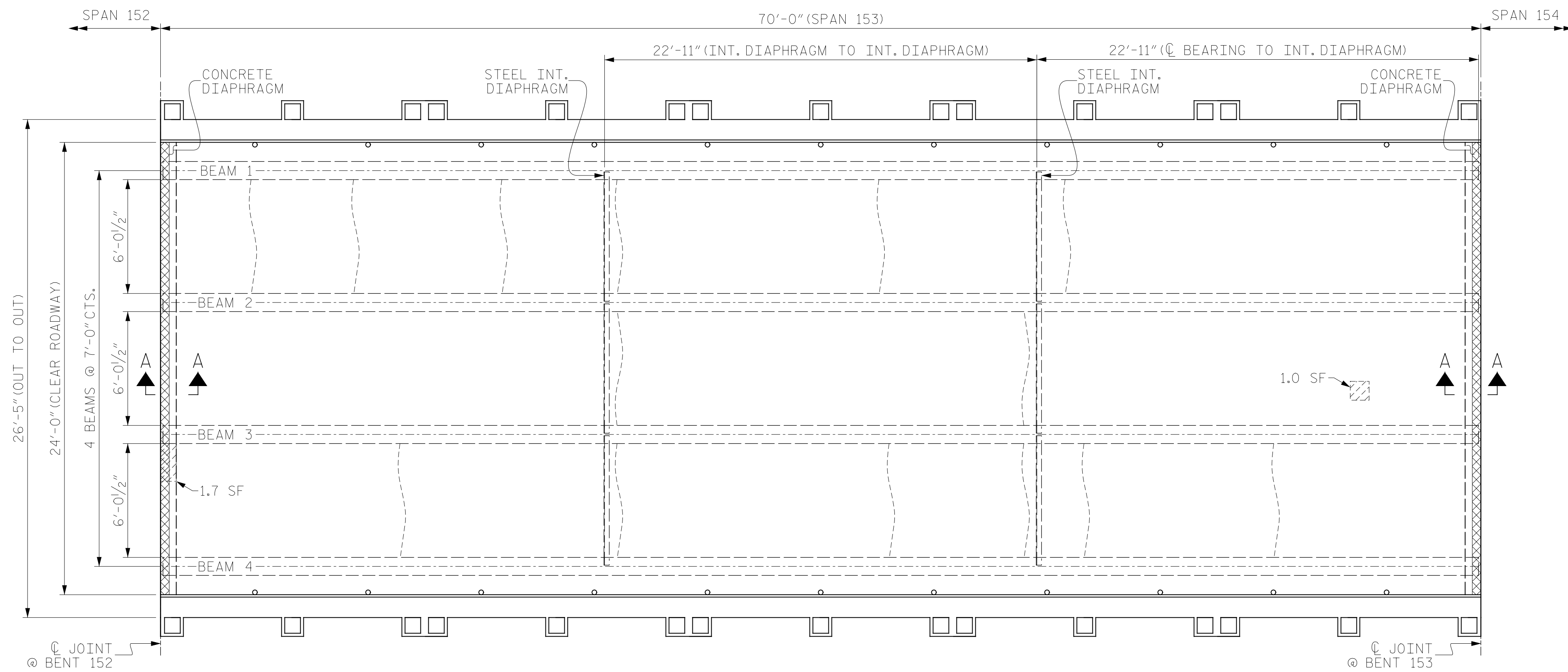
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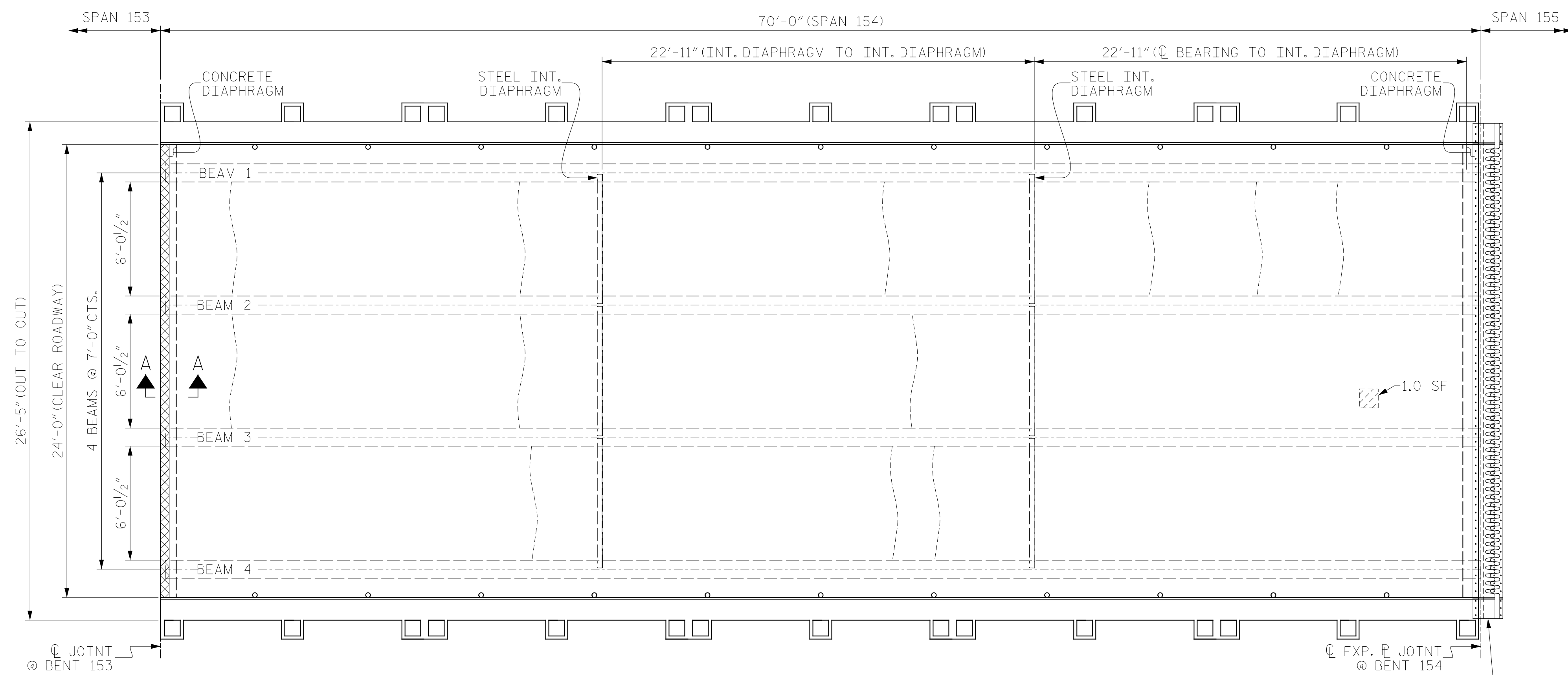


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PLAN OF SPAN 153



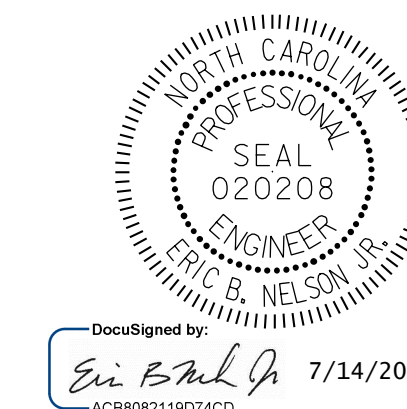
PLAN OF SPAN 154

| SUMMARY OF QUANTITIES FOR SPAN 153 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.1 CF | |
| BRIDGE JOINT DEMOLITION | 22.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 84.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 154 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 72.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 184.3 SY | |
| MMA OVERLAY SYSTEM | 1658.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
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 SURFACE PREPARATION
 & UNDERDECK REPAIRS
 SPANS 153 THRU 154

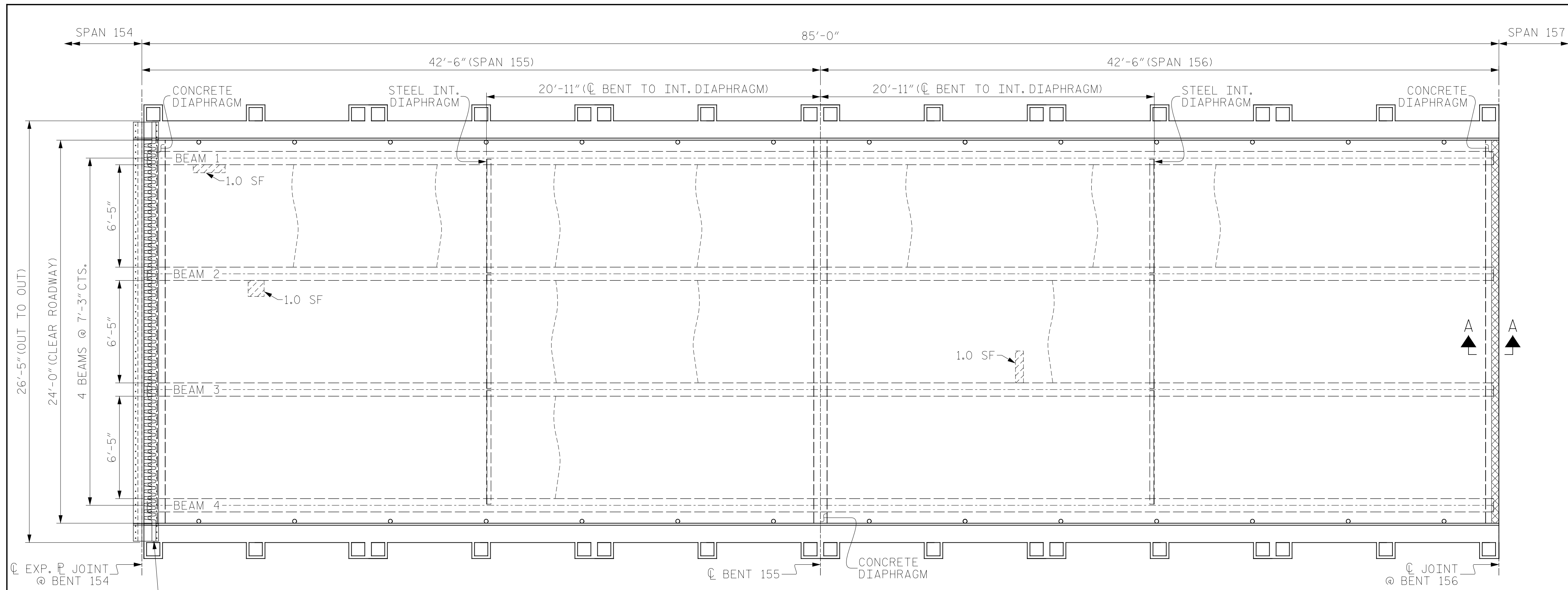
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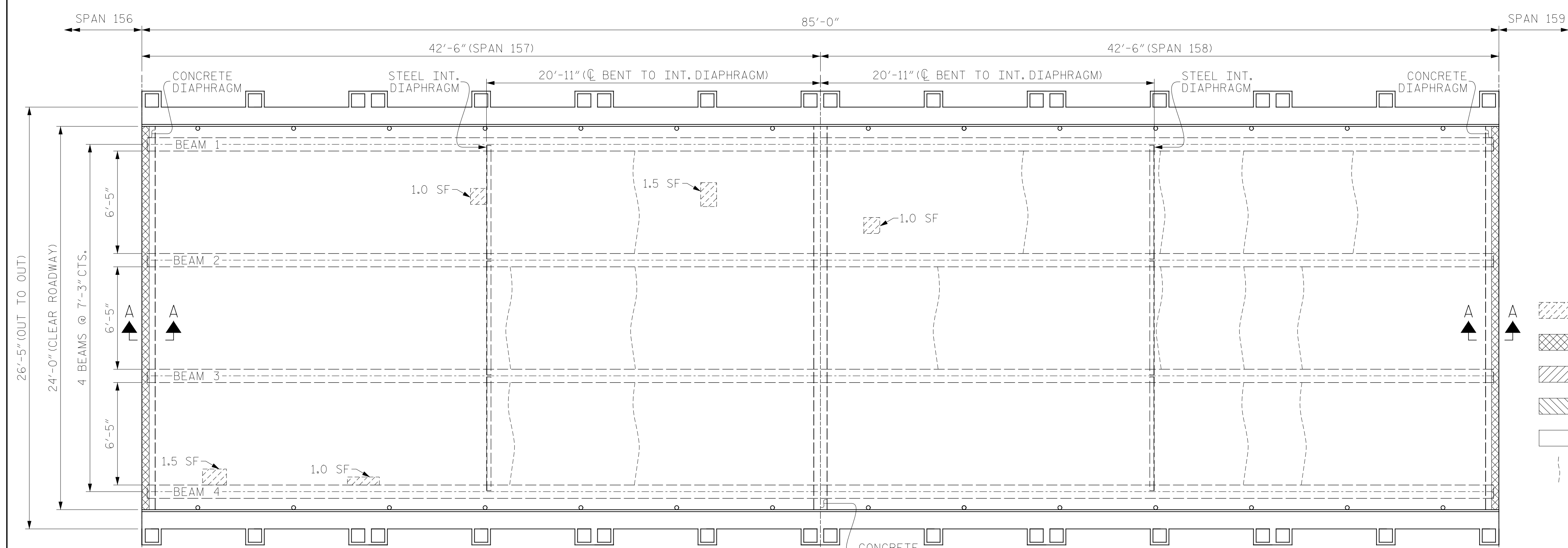
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PLAN OF SPAN 155

PLAN OF SPAN 156



PLAN OF SPAN 157

PLAN OF SPAN 158

| SUMMARY OF QUANTITIES FOR SPAN 155 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 156 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 157 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.7 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 32.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 158 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 64.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 155 THRU 158

NOTE:

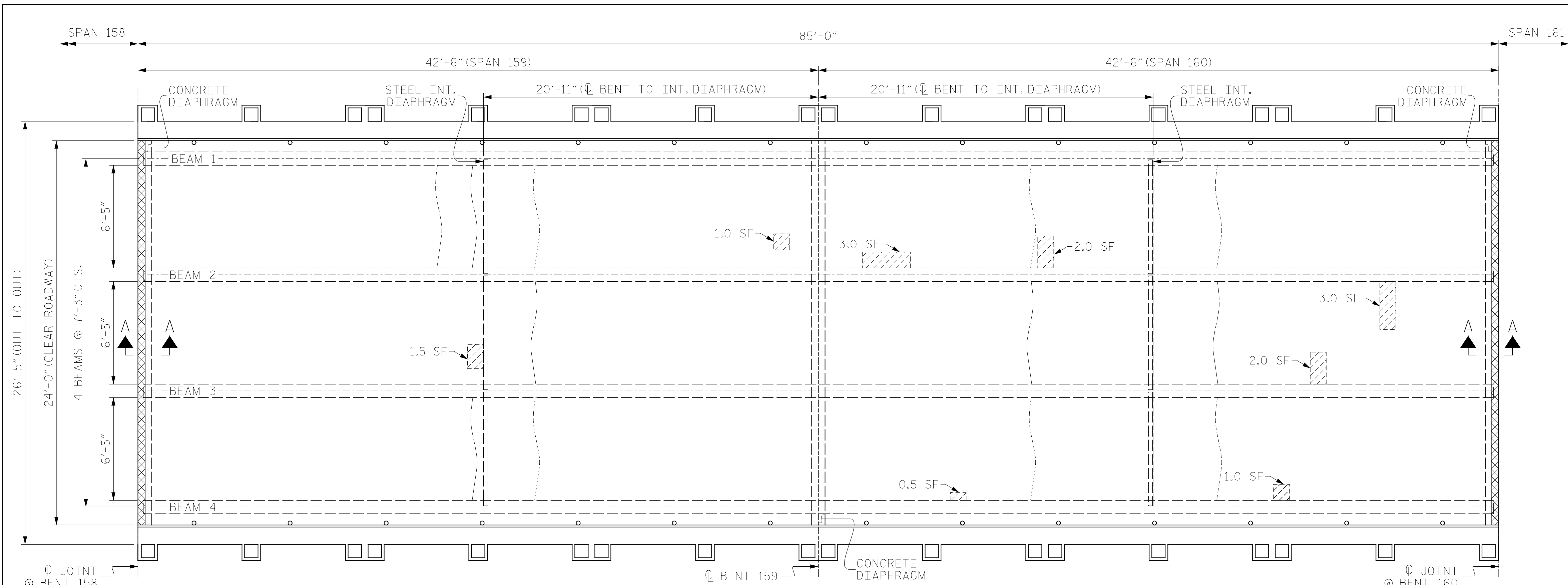
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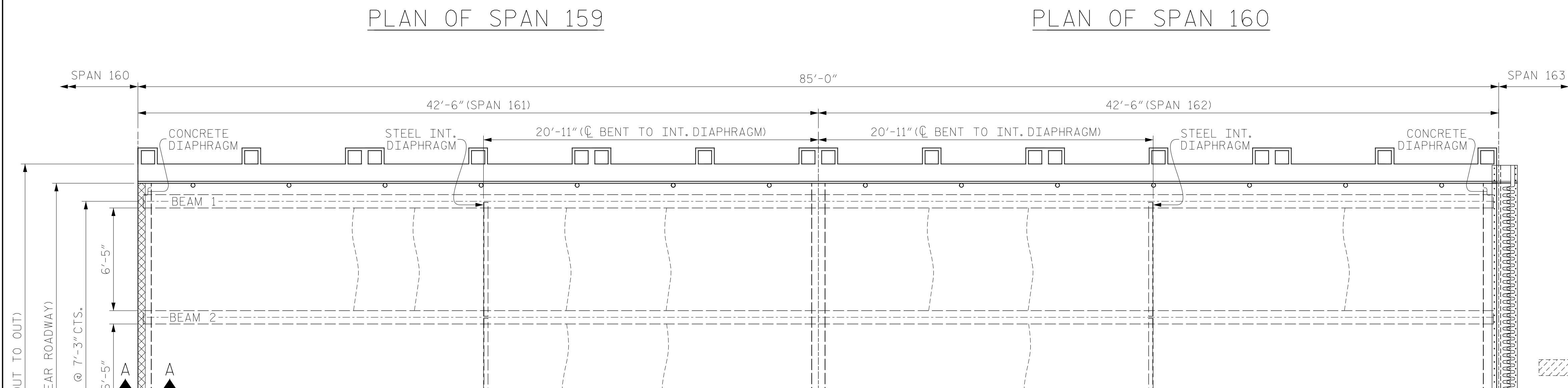
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| 2 | | | 4 | | | TOTAL SHEETS 355 |



| SUMMARY OF QUANTITIES FOR SPAN 159 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.9 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 160 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.9 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

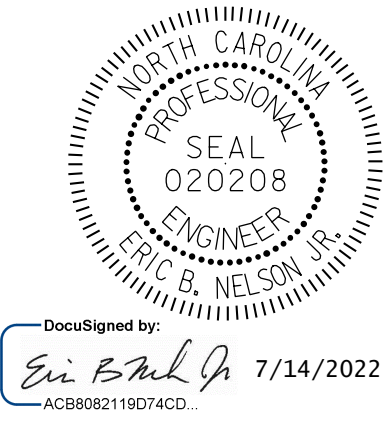
| SUMMARY OF QUANTITIES FOR SPAN 161 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 162 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.7 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 31.2 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

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 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 RALEIGH

SURFACE PREPARATION & UNDERDECK REPAIRS SPANS 159 THRU 162

NOTE:

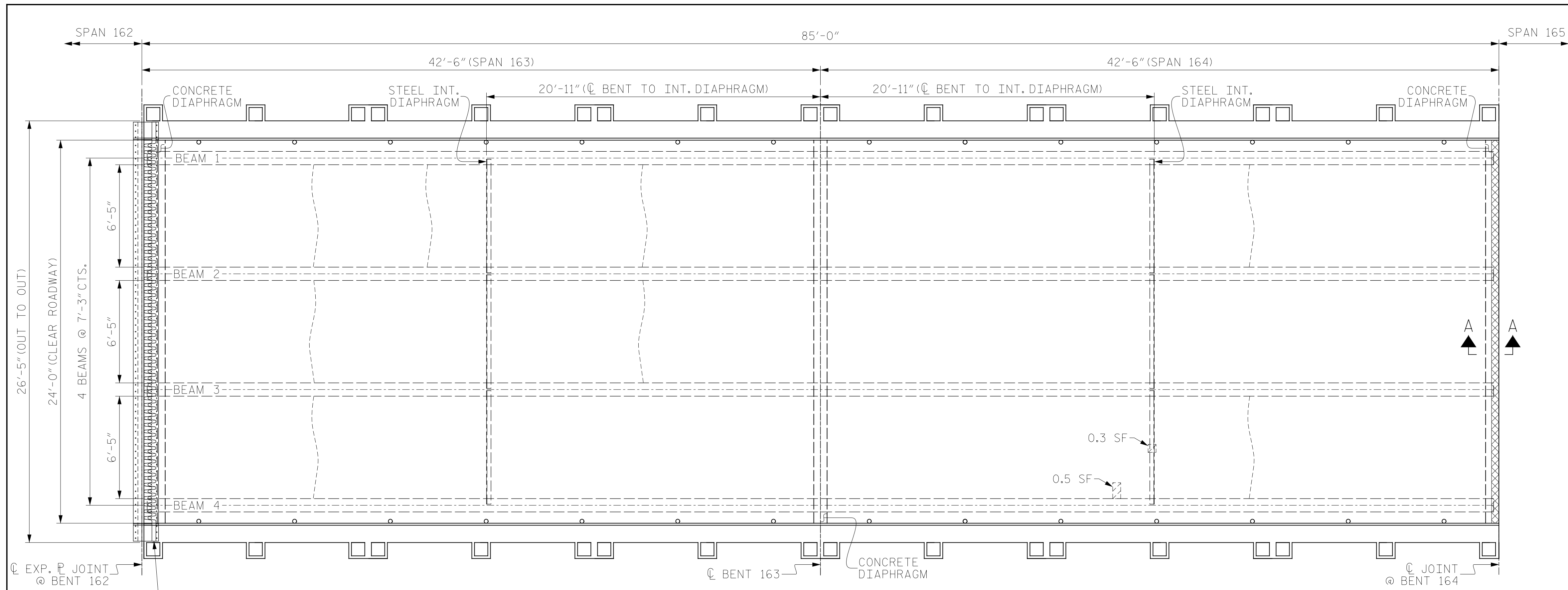
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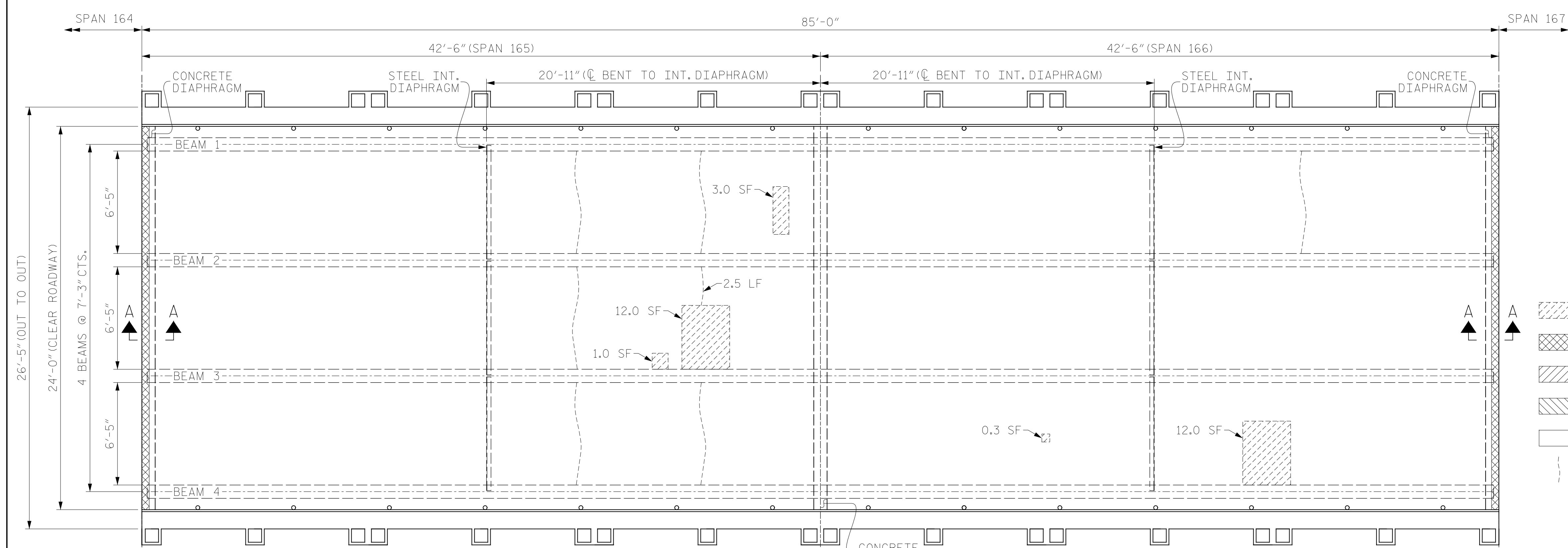
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| 1 | | | 3 | | | S-68 |
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PLAN OF SPAN 163

PLAN OF SPAN 164



PLAN OF SPAN 165

PLAN OF SPAN 166

| SUMMARY OF QUANTITIES FOR SPAN 163 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 164 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.3 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 165 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 5.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 34.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 166 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 4.1 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 163 THRU 166

NOTE:

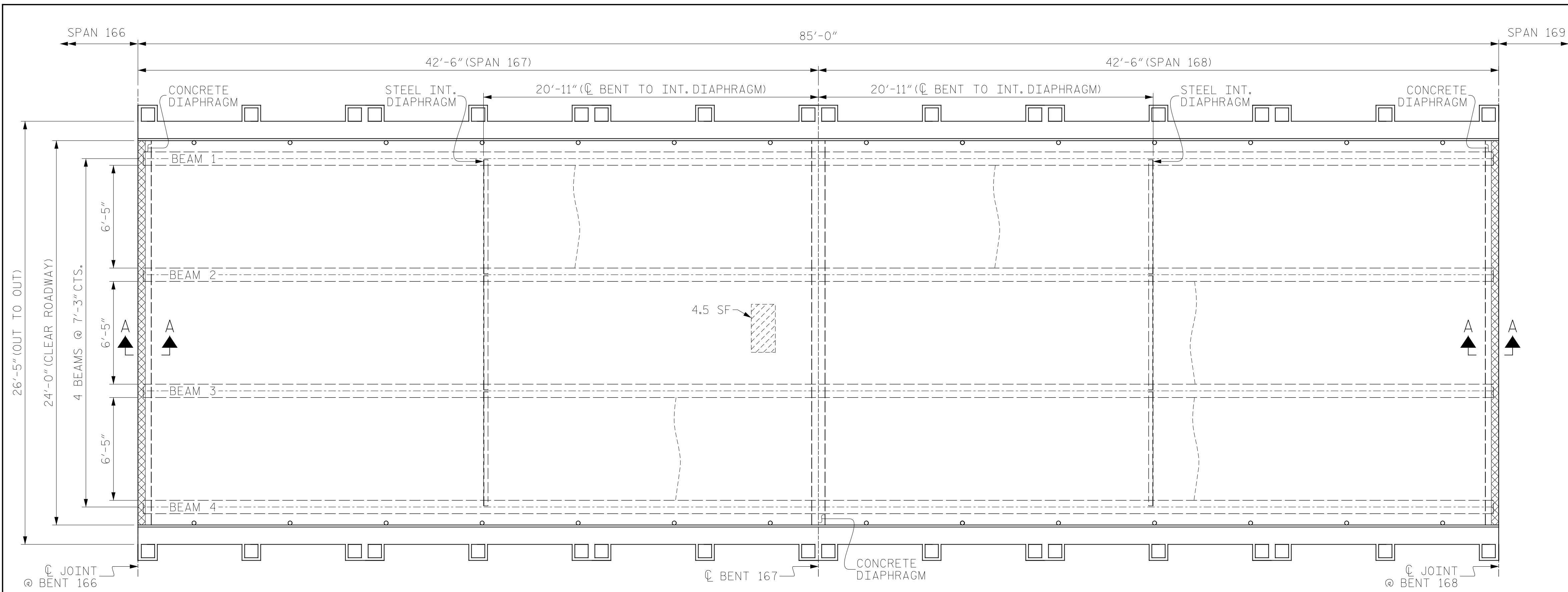
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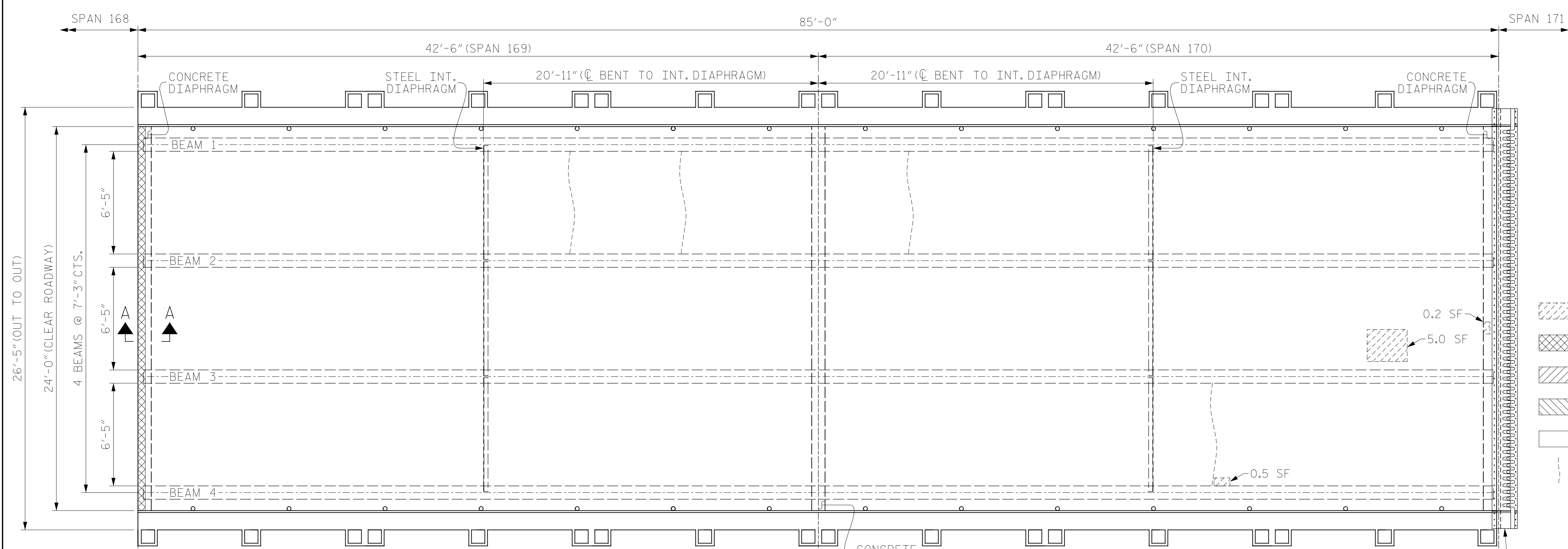
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| SUMMARY OF QUANTITIES FOR SPAN 167 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 168 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 169 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 170 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.0 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 167 THRU 170**

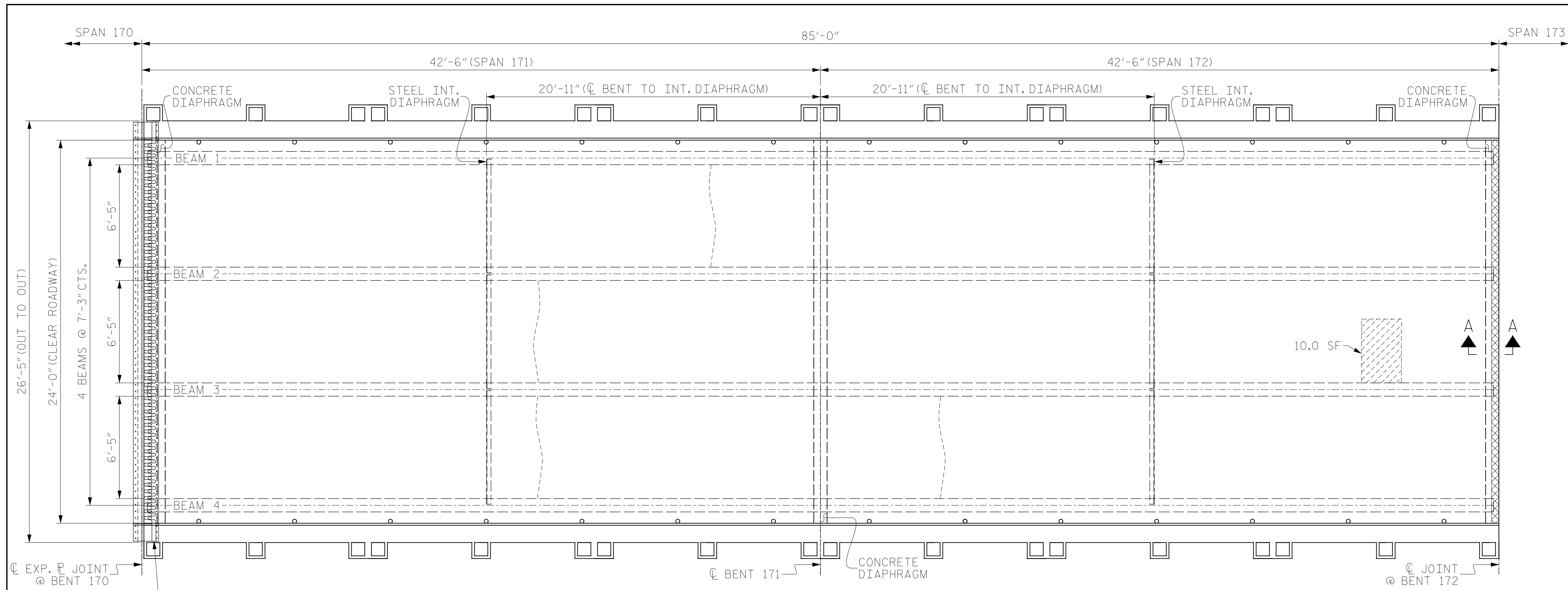
NOTE:
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DRAWN BY: M. SPENCER DATE: 12/2018
 CHECKED BY: J. FARNHAM DATE: 03/2019



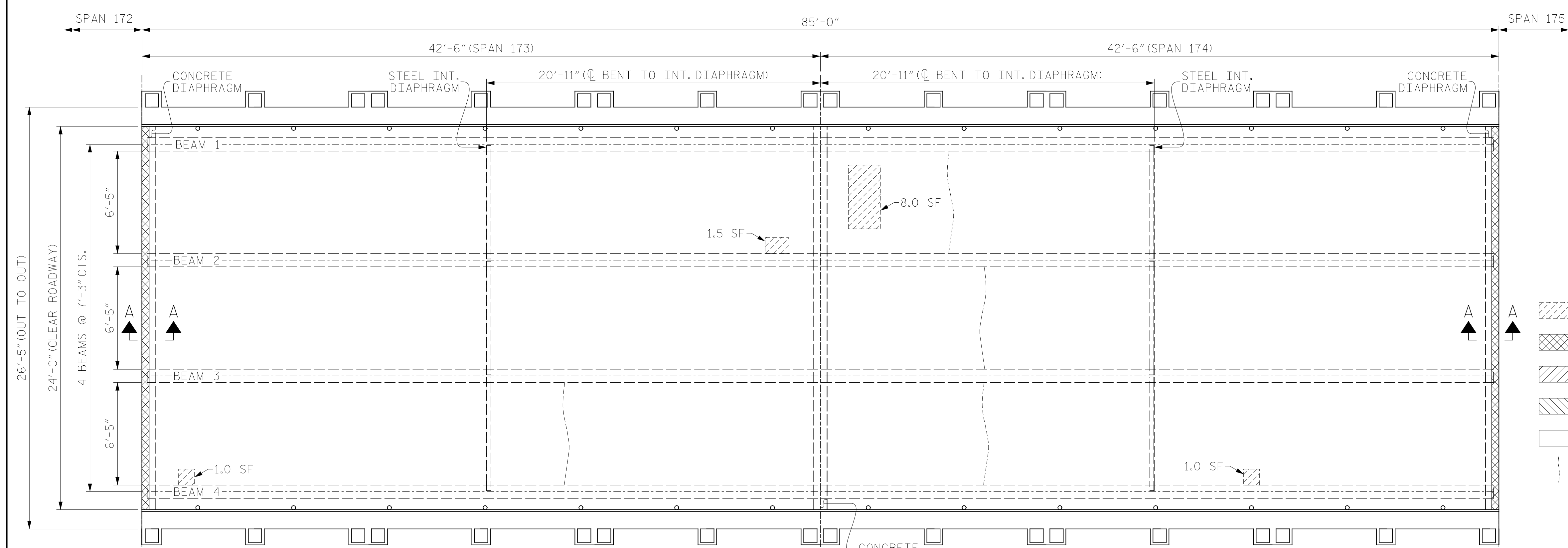
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| 1 | | | 3 | | | S-70 |
| 2 | | | 4 | | | 355 |



PLAN OF SPAN 171

PLAN OF SPAN 172



PLAN OF SPAN 173

PLAN OF SPAN 174

| SUMMARY OF QUANTITIES FOR SPAN 171 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

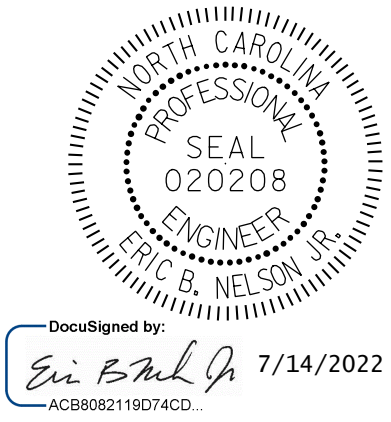
| SUMMARY OF QUANTITIES FOR SPAN 172 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.4 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 173 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.9 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 174 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 171 THRU 174

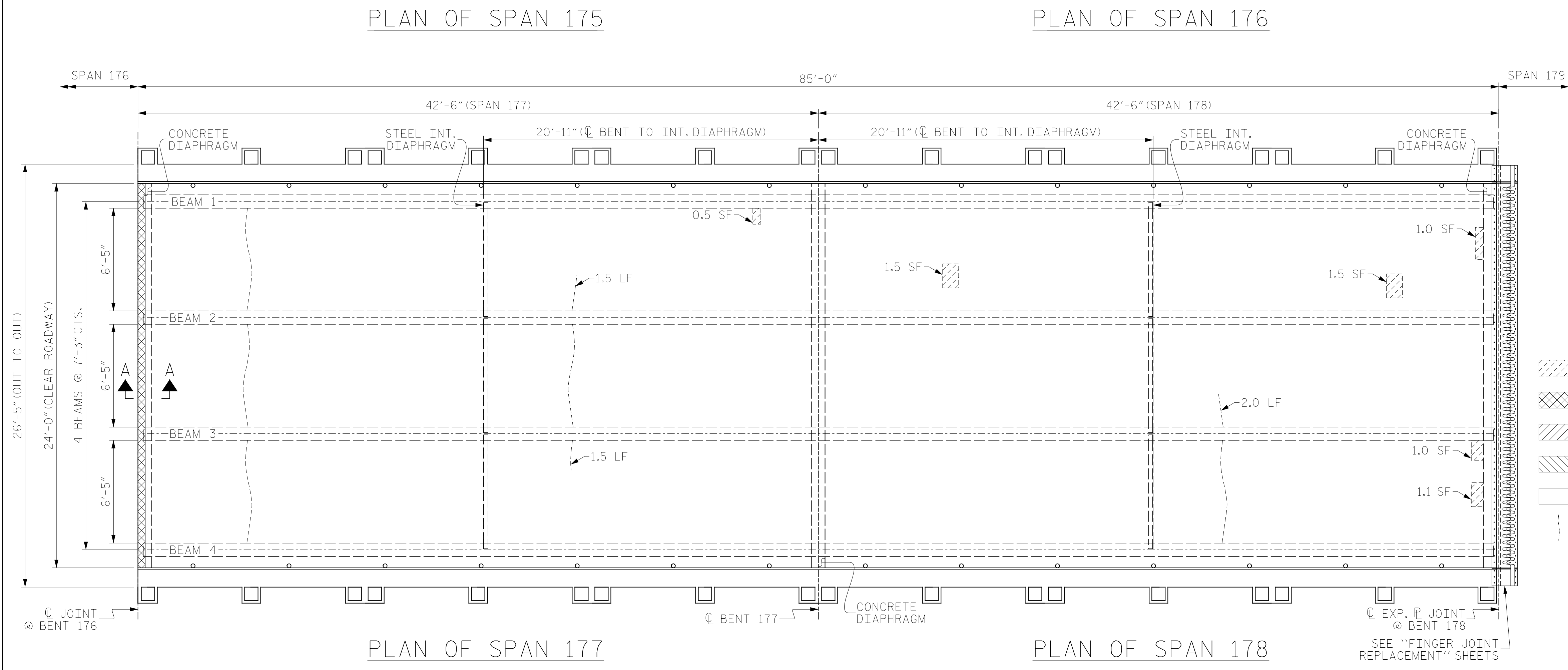
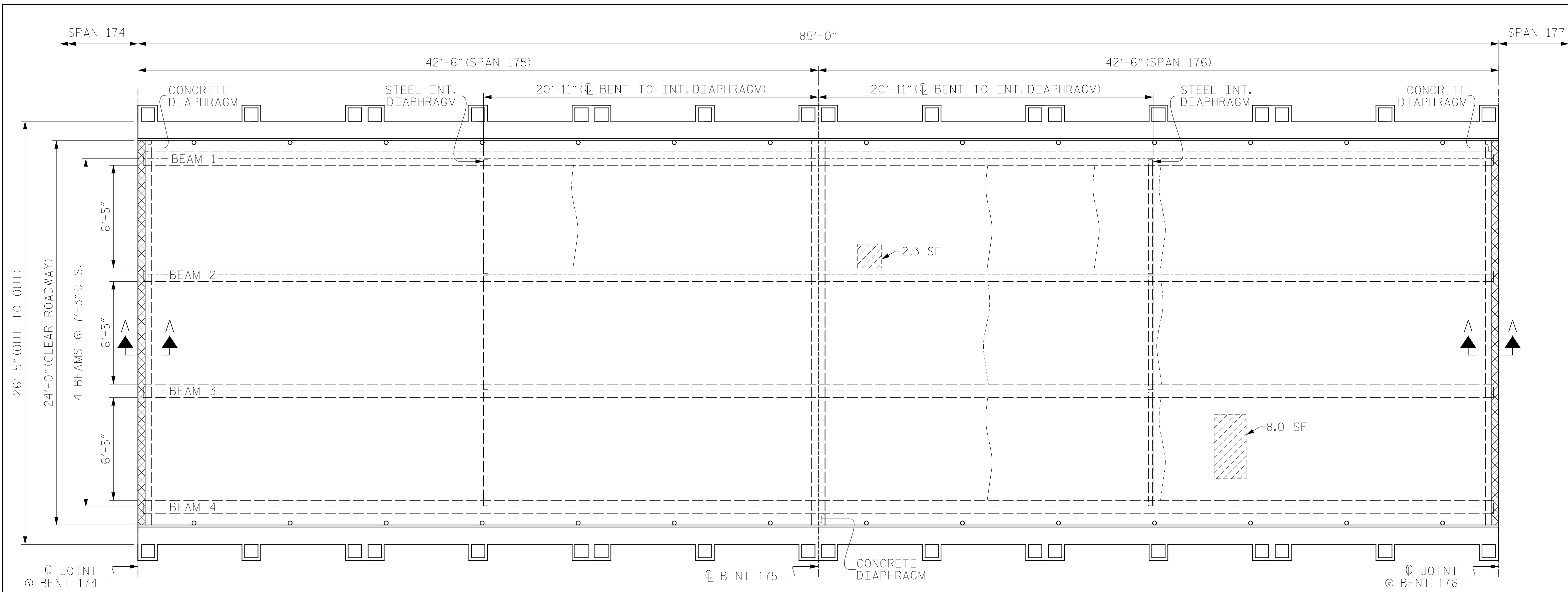
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| SUMMARY OF QUANTITIES FOR SPAN 175 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 6.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

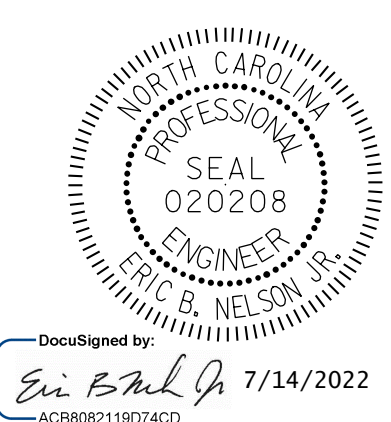
| SUMMARY OF QUANTITIES FOR SPAN 176 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 3.5 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 44.9 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 177 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 0.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 28.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 178 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.1 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 8.4 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
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 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
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 RALEIGH

SURFACE PREPARATION & UNDERDECK REPAIRS SPANS 175 THRU 178

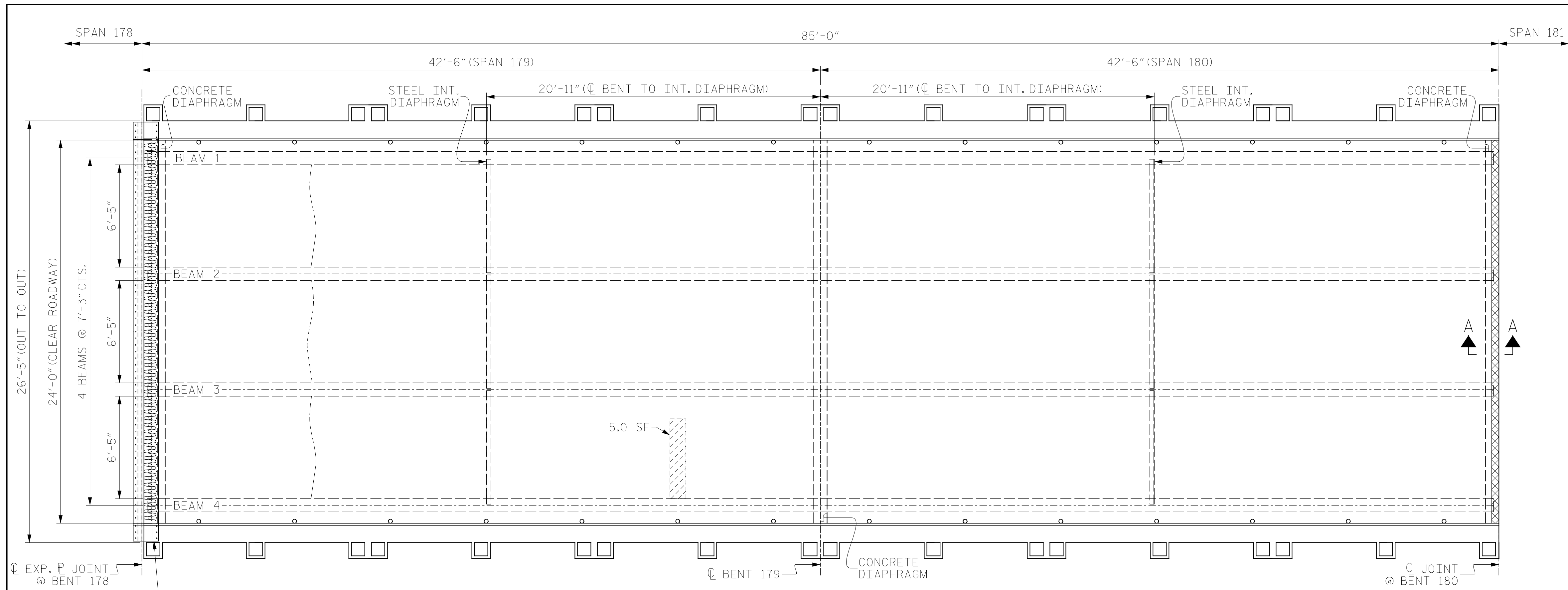
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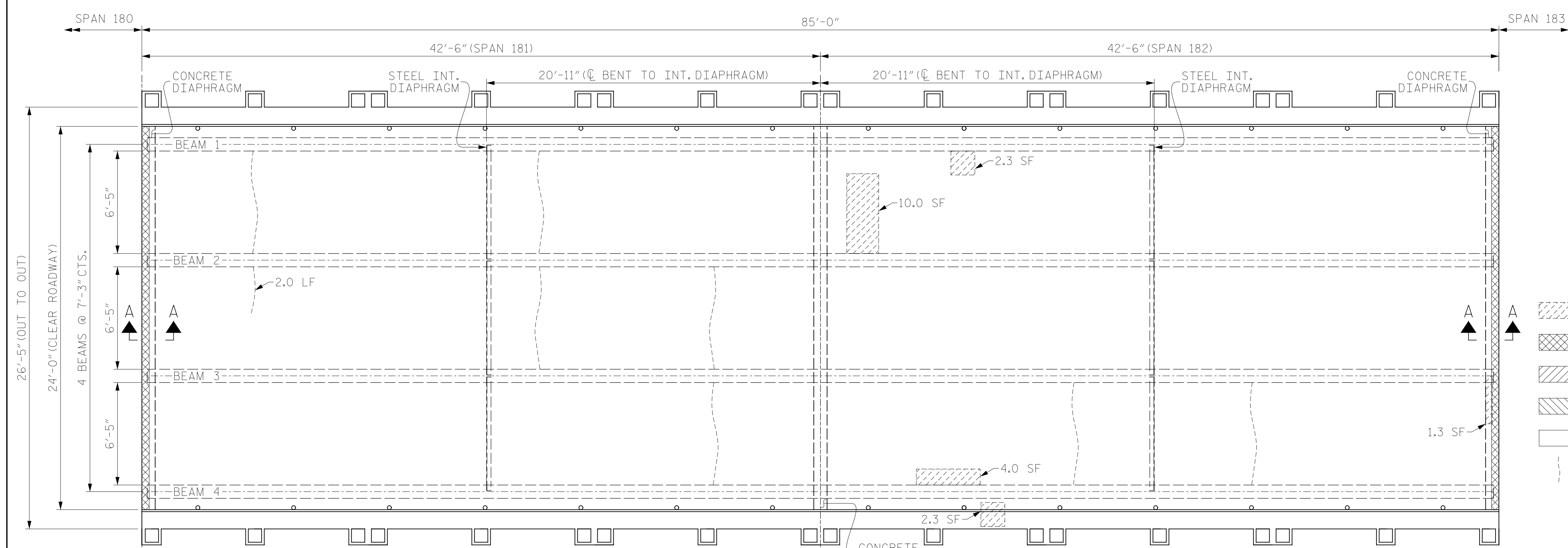
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| 1 | | | 3 | | | S-72 |
| 2 | | | 4 | | | 355 |



PLAN OF SPAN 179

PLAN OF SPAN 180



PLAN OF SPAN 181

PLAN OF SPAN 182

| SUMMARY OF QUANTITIES FOR SPAN 179 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 1.7 CF | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 180 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | - | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 181 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 34.1 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 182 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 6.8 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 12.8 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 179 THRU 182

NOTE:

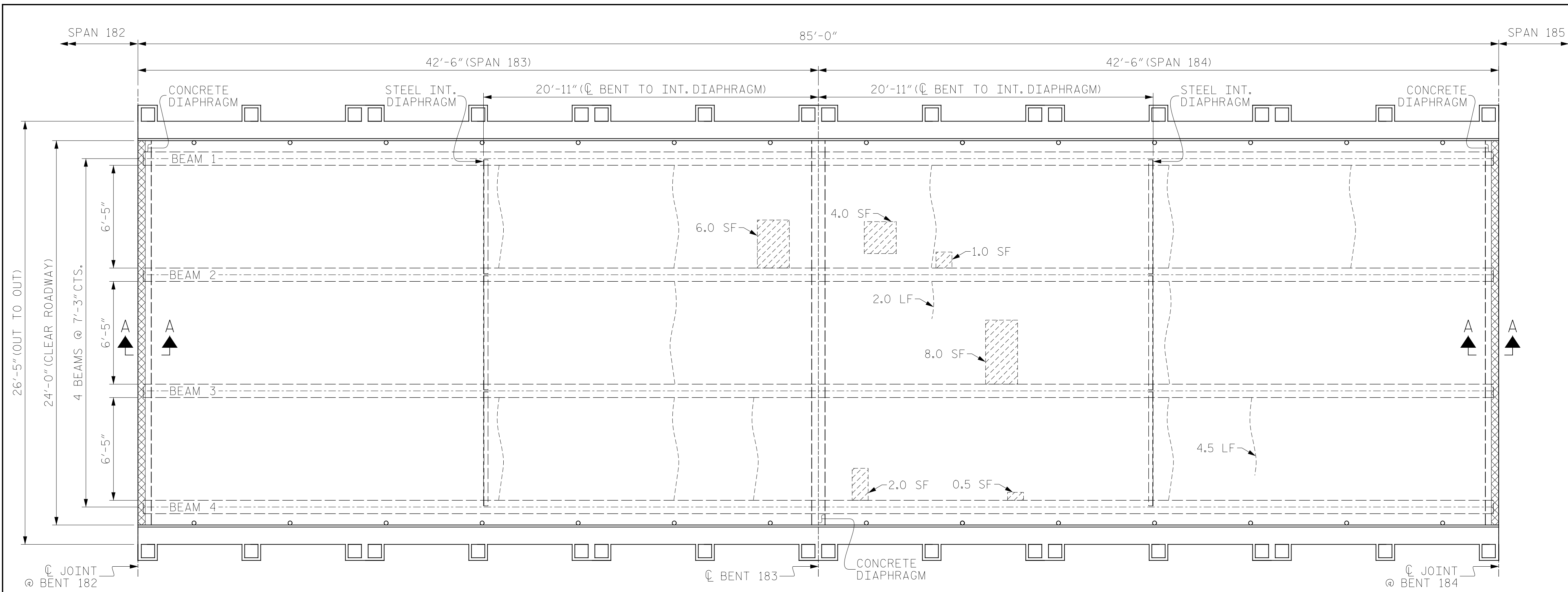
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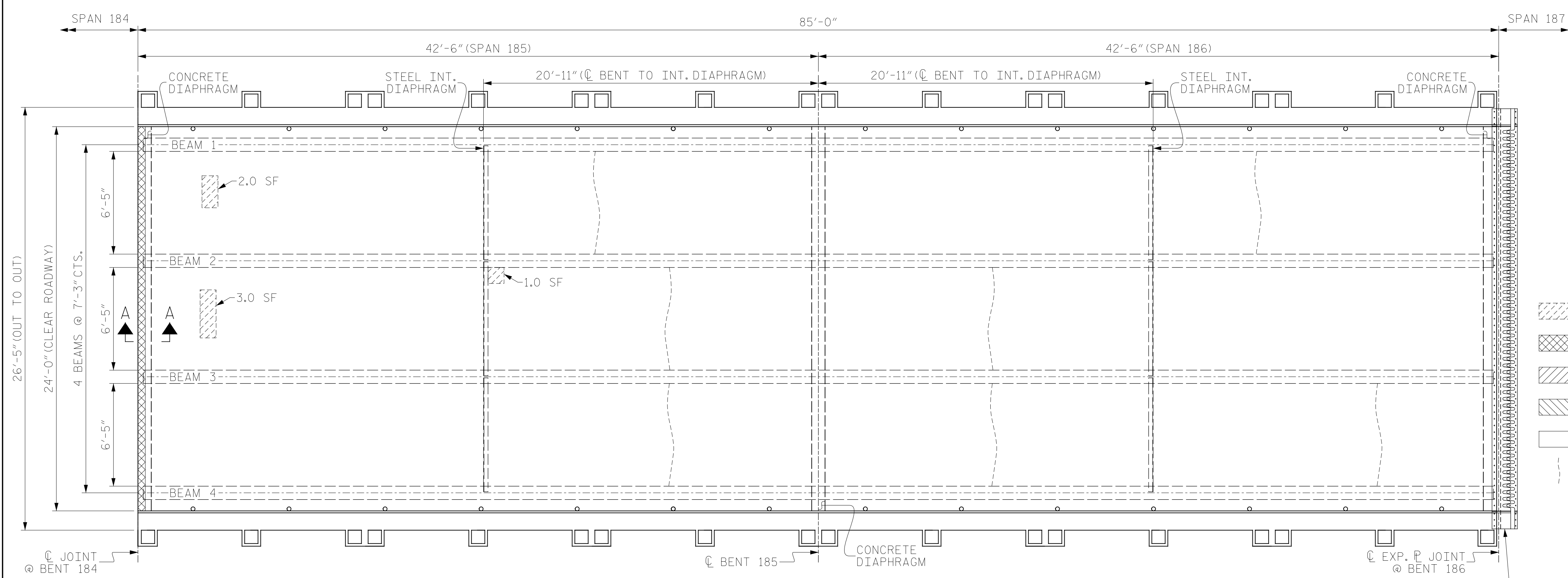
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| SUMMARY OF QUANTITIES FOR SPAN 183 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.5 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

| SUMMARY OF QUANTITIES FOR SPAN 184 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 5.2 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 38.6 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

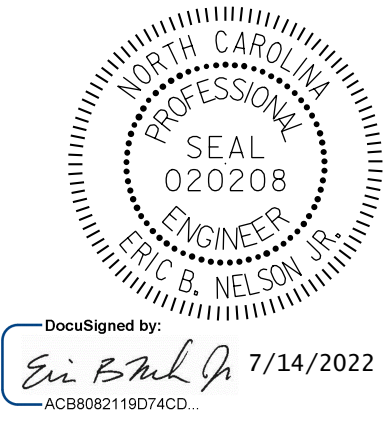
| SUMMARY OF QUANTITIES FOR SPAN 185 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | 2.0 CF | |
| BRIDGE JOINT DEMOLITION | 11.0 SF | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 19.3 CF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |



| SUMMARY OF QUANTITIES FOR SPAN 186 | | |
|--------------------------------------|-----------|--------|
| | ESTIMATE | ACTUAL |
| SHOTCRETE REPAIRS (UNDERDECK) | - | |
| BRIDGE JOINT DEMOLITION | - | |
| CLASS II SURFACE PREPARATION | - | |
| CLASS III SURFACE PREPARATION | - | |
| CONCRETE DECK REPAIR FOR MMA OVERLAY | - | |
| CRACK PRETREATMENT | 25.7 LF | |
| CONCRETE BRIDGE DECK CRACK SEALING | 112.0 SY | |
| MMA OVERLAY SYSTEM | 1008.0 SF | |

- SHOTCRETE REPAIRS (UNDERDECK)
- BRIDGE JOINT DEMOLITION
- CLASS II DECK REPAIR
- CLASS III DECK REPAIR
- MMA OVERLAY SYSTEM
- CRACK PRETREATMENT

PROJECT NO. HB-0017
 COUNTY DARE
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SURFACE PREPARATION & UNDERDECK REPAIRS
 SPANS 183 THRU 186**

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