

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------------|----------|--------------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 1 |
| | | ILLINOIS | CONTRACT NO. 62U37 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE CITY OF JOLIET

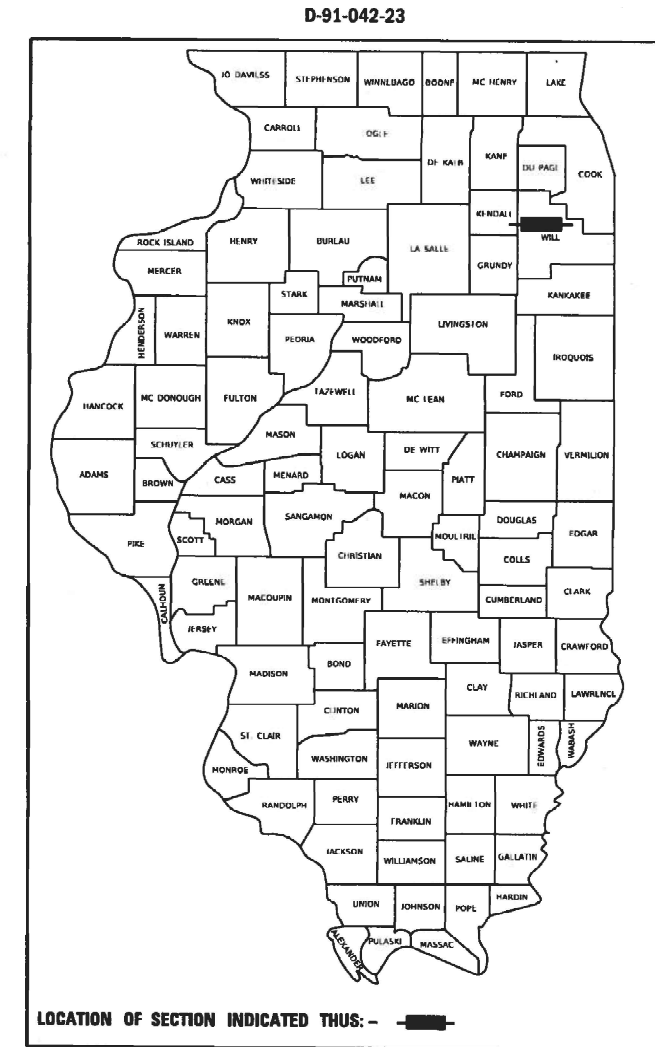
TRAFFIC DATA

ADT (2021) = 10,300
POSTED SPEED LIMIT = 30 MPH

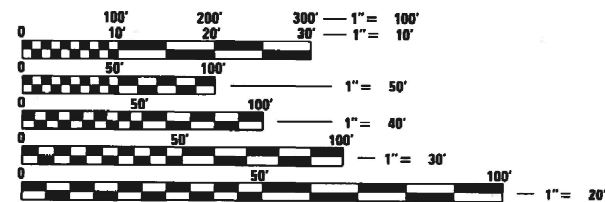
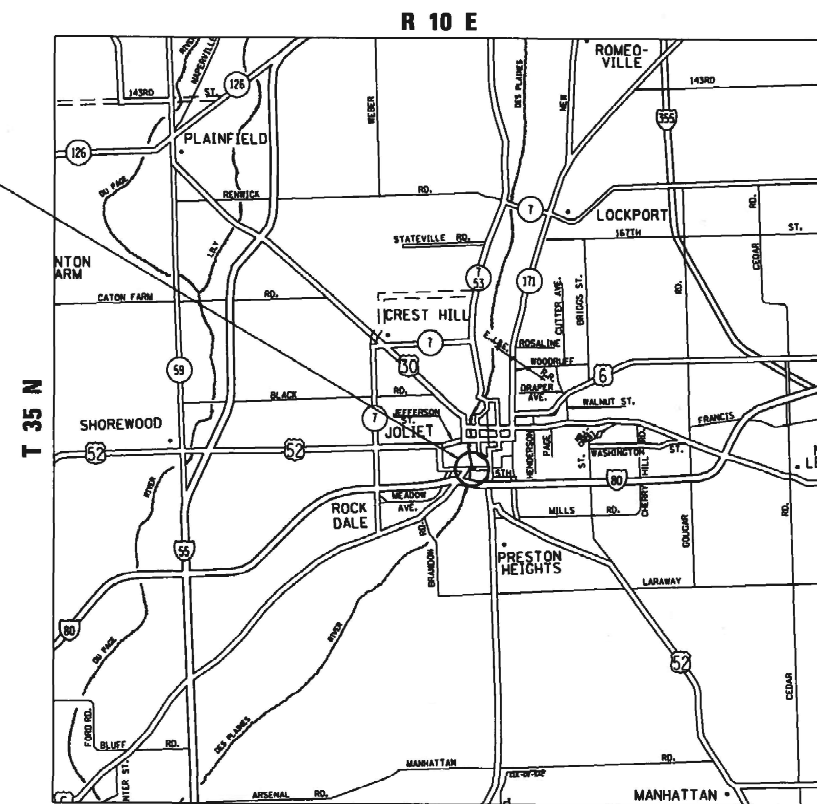
PROPOSED
HIGHWAY PLANS

FAU ROUTE 313: US 6 / 52 (McDONOUGH ST)
OVER DES PLAINES RIVER
SECTION: FAU 313 22 BP
BRIDGE PAINTING
WILL COUNTY

C-91-051-23



LOCATION OF IMPROVEMENT:
US 6 / 52 McDONOUGH ST
OVER DES PLAINES RIVER
SN 099-9904



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: RODRIGO LEDEZMA (847)705-4580
PROJECT MANAGER: JEAN ALAIN MIDY (847)221-3056

CONTRACT NO. 62U37

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: JANUARY 27 20 23
Rose Rio Lopez
REGIONAL ENGINEER

March 24, 2023
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2023
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1. COVER SHEET
 2. INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
 3. SUMMARY OF QUANTITIES
- 4-22. EXISTING BRIDGE PLANS (SN 099-9904)
23. ARTERIAL ROAD INFORMATION SIGN (TC-22)

STATE STANDARDS

| | |
|-----------|---|
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701801-06 | SIDEWALK, CORNER, OR CROSSWALK CLOSURE |
| 701901-08 | TRAFFIC CONTROL DEVICES |

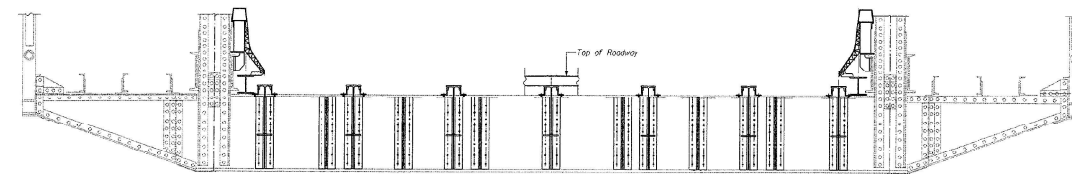
GENERAL PAINT NOTES

1. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES."
2. A MINIMUM OF TWO (2) AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES."
3. ALL INTERIOR AND EXTERIOR SURFACES OF ALL FLOOR BEAMS, STRINGERS, LATERAL BRACES, GIRDERS, BRACKETS, DIAPHRAGMS, AND BEARINGS THAT ARE BELOW THE CONCRETE DECK OF BOTH APPROACH SPANS AND BOTH MOVABLE SPANS, IN ADDITION TO THE BOTTOM CHORD OF THE TRUSS OF BOTH MOVABLE SPANS, SHALL BE CLEANED PER NEAR-WHITE BLAST CLEANING, SSPC-SP 10. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM I-OZ/E/U. THE COLOR OF THE FINISH COAT FOR ALL STEEL TRUSS AND FASCIA GIRDER SURFACES SHALL BE BLUE, MUNSELL NO. 10B 3/6. THE COLOR OF THE FINISH COAT FOR THE REMAINING STEEL FLOOR SYSTEM SHALL BE GRAY, MUNSELL NO. 5B 7/1.
4. THE BLASTING AND PAINTING PROCESS SHALL NOT ADVERSELY IMPACT THE MACHINERY, PARTICULARLY OPEN GEARS. CONTRACTOR SHALL PROTECT ALL MACHINERY AND GEARS. ALL COSTS INCURRED BY THE CONTRACTOR IN COMPLYING WITH THE PROTECTION OF MACHINERY AND GEARS SHALL BE CONSIDERED AS COMPLETELY COVERED BY THE PRICES BID FOR THE VARIOUS ITEMS OF WORK INCLUDED IN THE CONTRACT.
5. DURING BLASTING AND PAINTING, THE BRIDGE LEAF THAT IS BEING BLASTED OR PAINTED MUST BE OPERATIONAL.

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF JOLIET.
3. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION. FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE BRIDGE INSPECTORS.
7. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS ADVANCE NOTICE REQUIRING THE BRIDGE OPERATOR SERVICES.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED.
9. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS WHEN WORKING NEAR THE ABUTMENTS IF ELECTRICAL JUNCTION BOXES AND ATTACHED CONDUITS ARE PRESENT.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE THAT NO DEBRIS FALLS INTO THE DES PLAINES RIVER. THE COST OF THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
11. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS TO PREVENT ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
13. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
14. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL FOR ANY WORK THAT MAY INTERFERE WITH NAVIGATIONAL OPERATIONS OF THE NAVIGABLE WATERS. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER, AND SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

BRIDGE ADMINISTRATOR
US COAST GUARD
EIGHTH COAST GUARD DISTRICT
1222 SPRUCE ST
ST. LOUIS, MO 63103-2832
15. ALL DAILY LANE CLOSURES WILL BE RESTRICTED TO 3 WORKING DAYS AND ARE TO BE USED TO CLEAN AND PAINT THE BOTTOM CHORD OF THE MOVABLE SPANS WHERE THEY PROTRUDE ABOVE THE LEVEL OF THE ROADWAY DECK.



ANY STEEL OUTSIDE OF THE TRUSSES, INCLUDING THE BOTTOM CHORD OF THE TRUSSES, SHALL BE PAINTED BLUE, MUNSELL NO. 10B 3/6

ANY STEEL BETWEEN THE TRUSSES SHALL BE PAINTED GRAY, MUNSELL NO. 5B 7/1

ANY STEEL OUTSIDE OF THE TRUSSES, INCLUDING THE BOTTOM CHORD OF THE TRUSSES, SHALL BE PAINTED BLUE, MUNSELL NO. 10B 3/6

PAINT DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

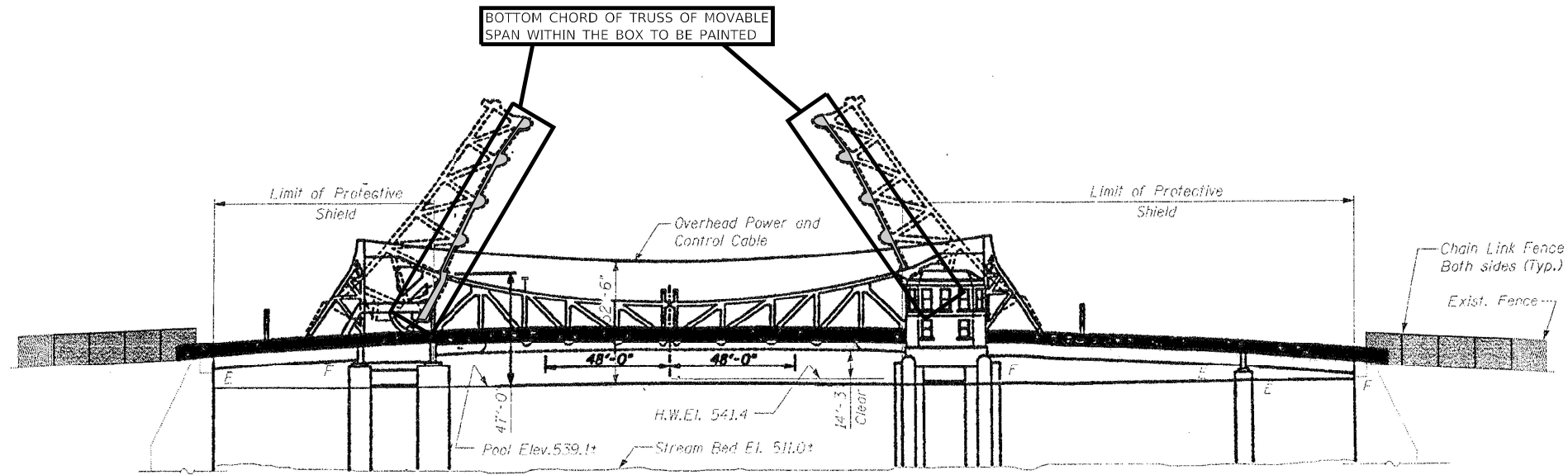
INDEX OF SHEETS, STATE STANDARDS,
GENERAL NOTES & GENERAL PAINTING NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------------|----------|--------------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 2 |
| | | | CONTRACT NO. 62U37 | |
| | | ILLINOIS | FED. AID PROJECT | |

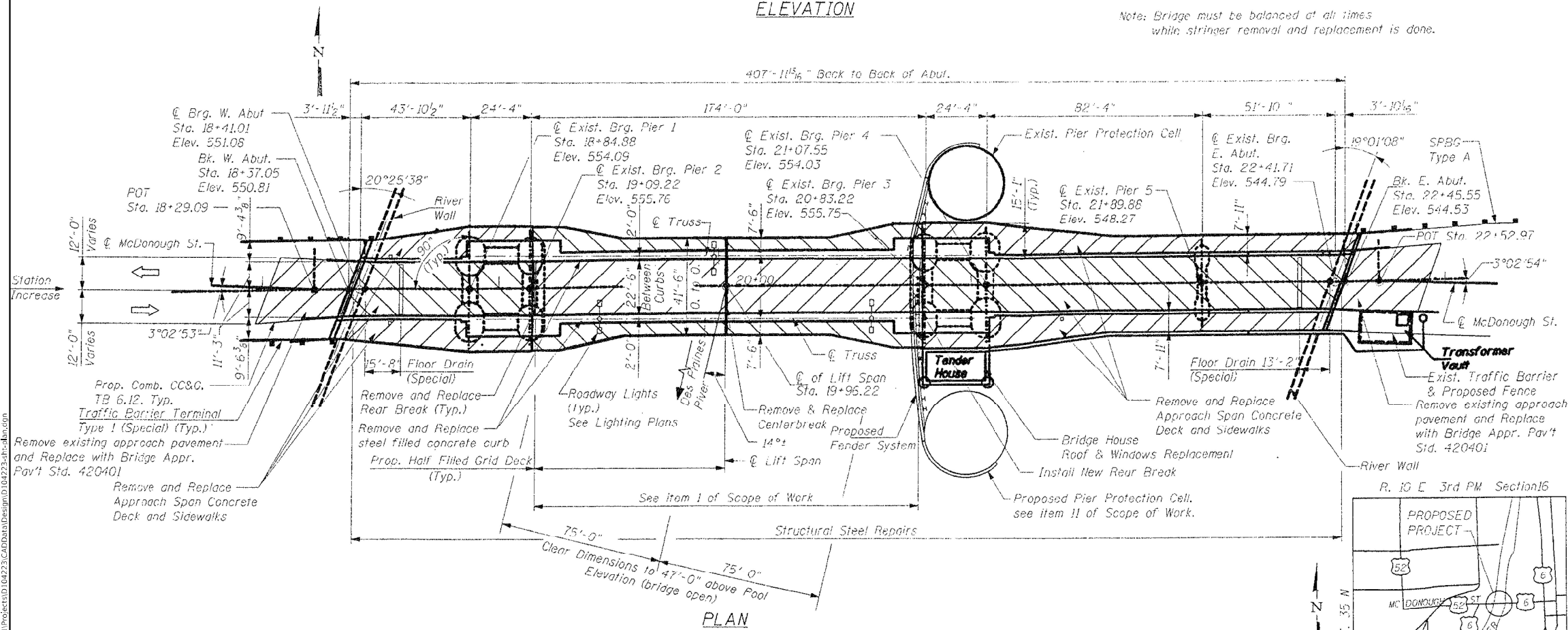
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|-----------------------|---|--------|------------------------|------------------------|--|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | 0047 100% STATE | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | | | | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | | | |
| X6700407 | ENGINEER'S FIELD OFFICE, TYPE A (D1) | CAL MO | 12 | 12 | | | | | |
| Z0007101 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1 | 1 | | | | | |
| Z0010501 | CLEANING AND PAINTING STEEL BRIDGE NO. 1 | L SUM | 1 | 1 | | | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SO FT | 51.4 | 51.4 | | | | | |
| ∅ Z0076604 | TRAINEES - TRAINING PROGRAM GRADUATE | hour | 500 | 500 | | | | | |

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|------|------|------------------|------------------------|--|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | | | | | | |
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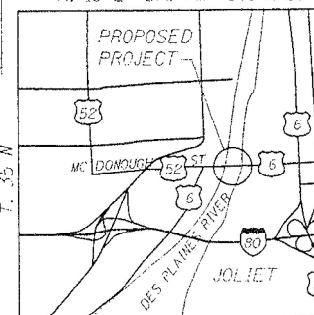


ELEVATION

Note: Bridge must be balanced at all times while stringer removal and replacement is done.



PLAN



LOCATION SKETCH

NOTE:

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE OFF THE ENTIRE BRIDGE TO VEHICULAR TRAFFIC DURING CONSTRUCTION OPERATIONS.

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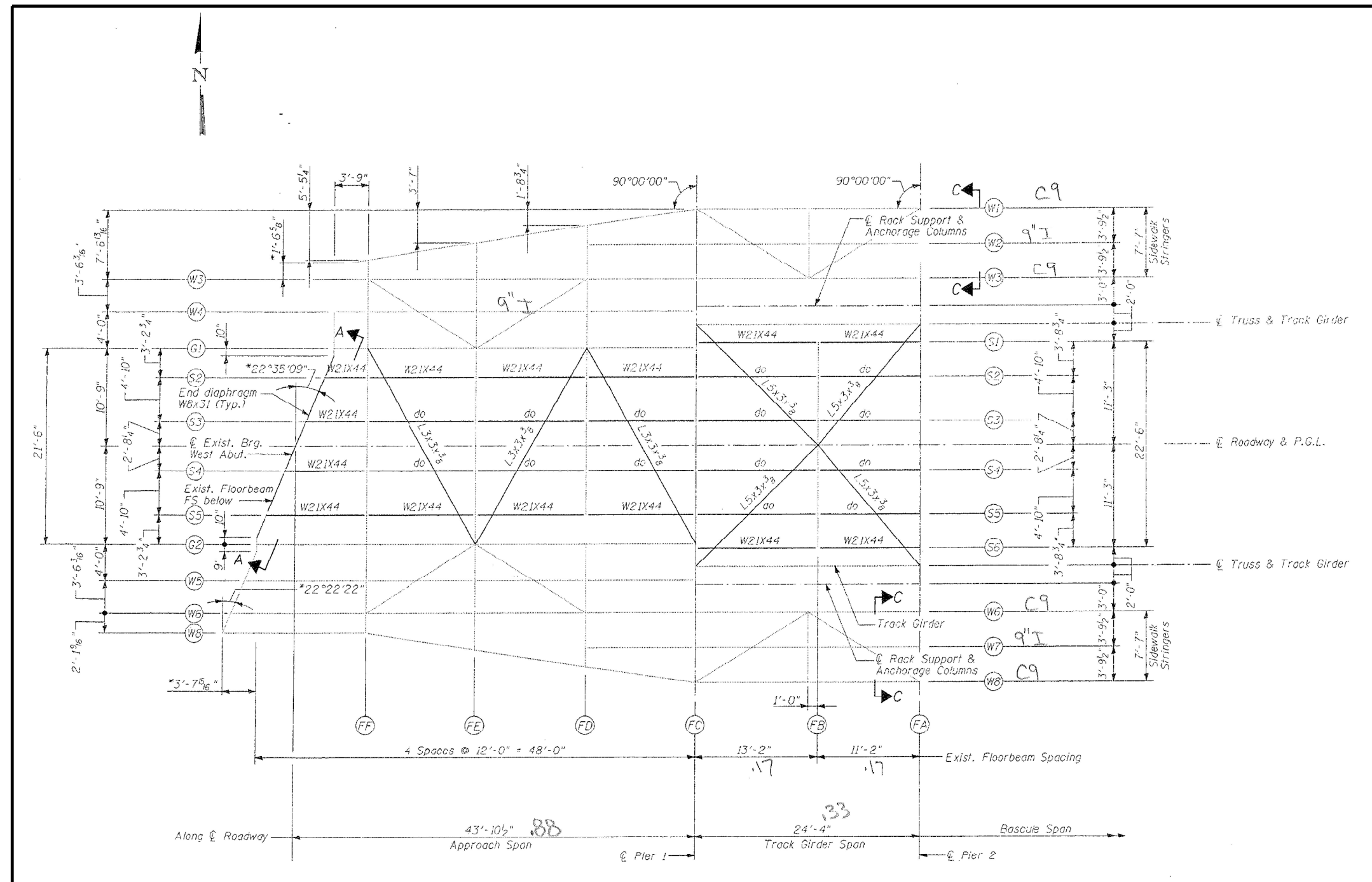
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|------------------------------|------------|-----------|
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/27/2023 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 099-9904

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|---------------|----------|--------------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 4 |
| | | | CONTRACT NO. 62U37 | |
| | | ILLINOIS | FED. AID PROJECT | |



ITEMS IN BOX TO BE
CLEANED AND PAINTED

FRAMING PLAN - WEST APPROACH

* Dimension per existing drawing.
Contractor shall field verify before
fabrication

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 PROJECT: I:\Projects\104223\104223.dwg

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| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

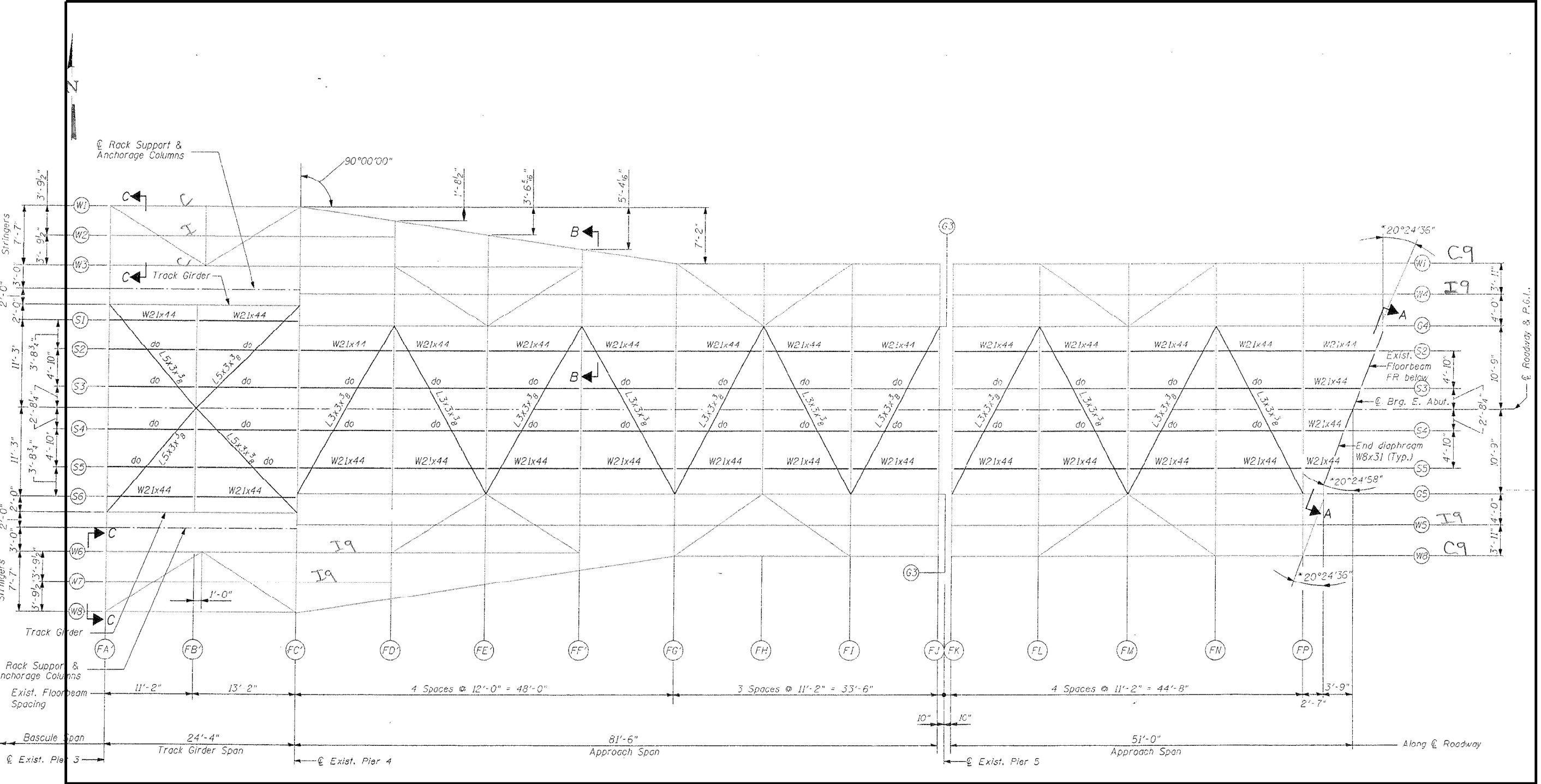
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN - WEST APPROACH
STRUCTURE NO. 099-9904

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 5 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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* Dimension per existing drawing.
Contractor shall field verify before
fabrication.

FRAMING PLAN - EAST APPROACH

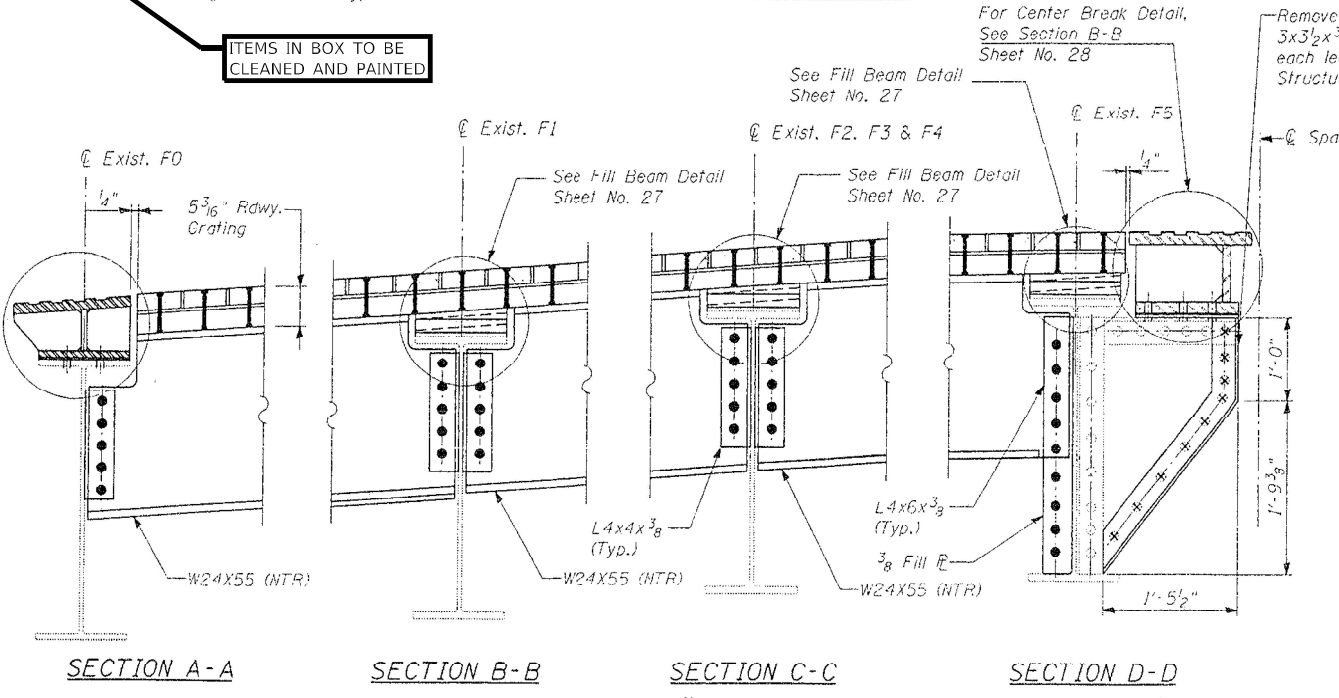
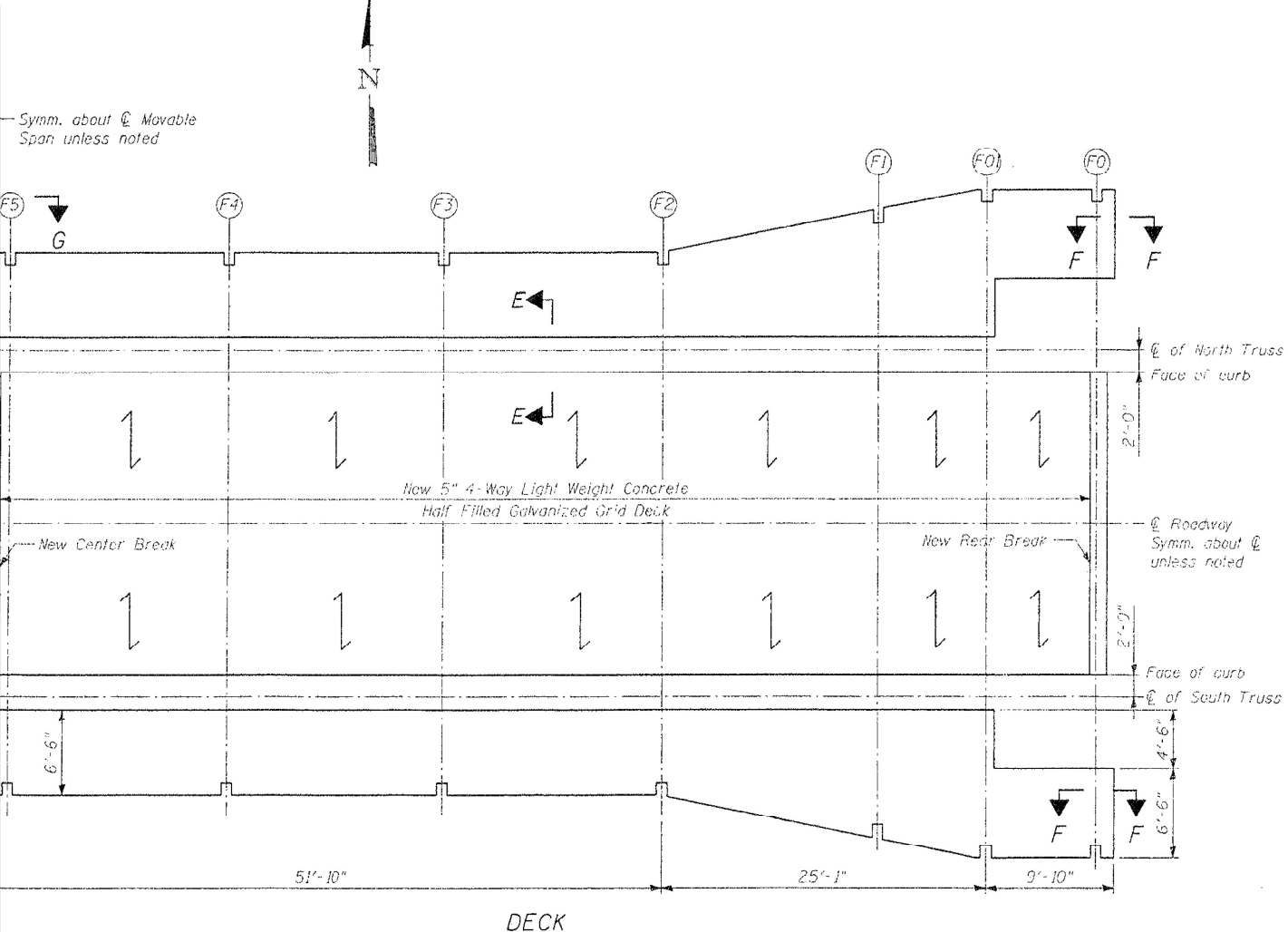
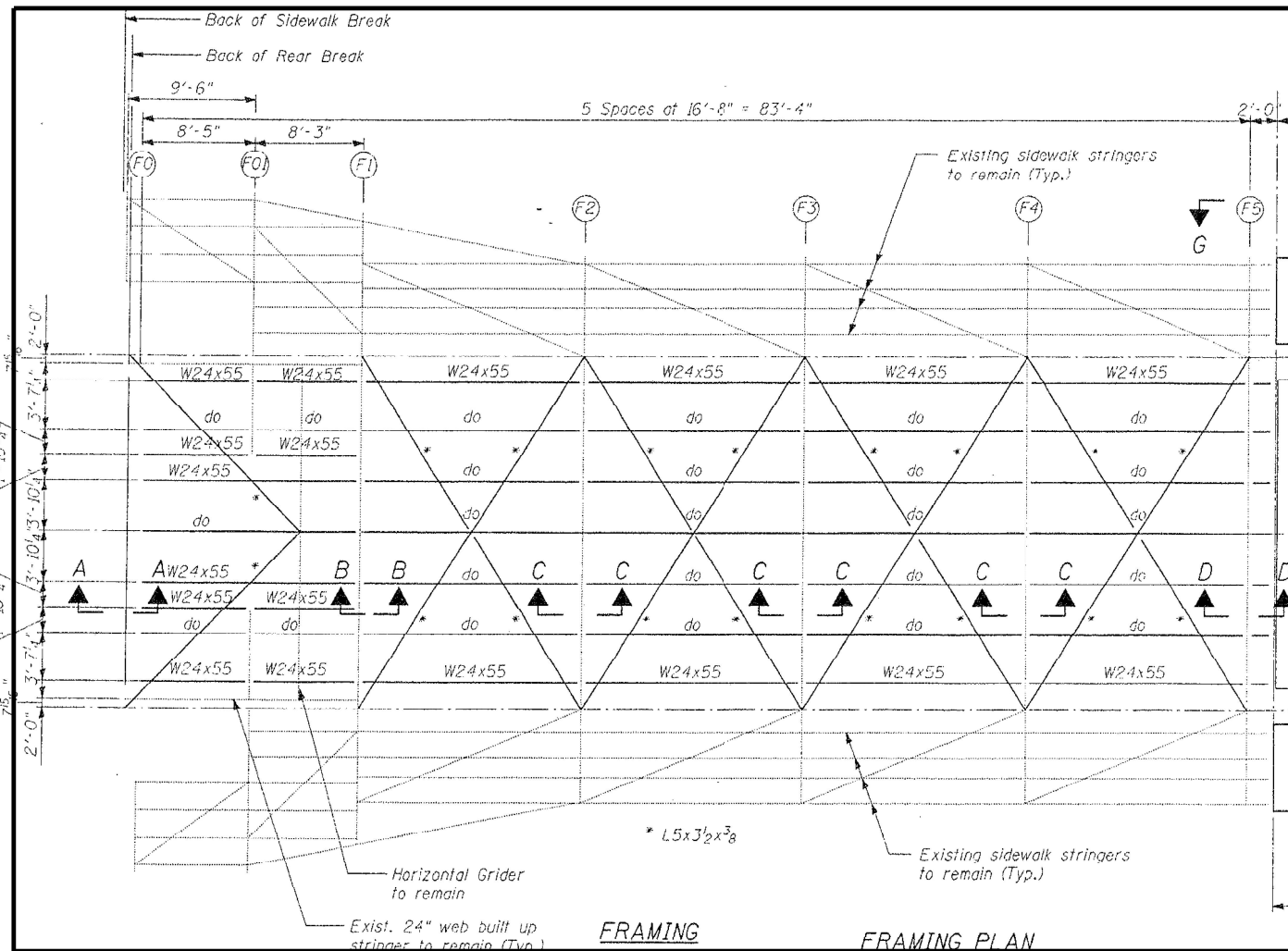
ITEMS IN BOX TO BE
CLEANED AND PAINTED

| | | |
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| DRAWN - | REVISIONS - | |
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| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------|-----------|--------------|
| FRAMING PLAN - EAST APPROACH STRUCTURE NO. 099-9904 | | | |
| SCALE: | SHEET | OF SHEETS | STA. TO STA. |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 6 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



ITEMS IN BOX TO BE CLEANED AND PAINTED

Remove and replace 2-bent L's $3 \times 3 \frac{1}{2} \times \frac{3}{8} \times 3' - 2 \frac{3}{4}''$ (13 required each leaf). Cost included with Structural Steel Repair.

For Center Break Detail, See Section B-B Sheet No. 28

See Fill Beam Detail Sheet No. 27

See Fill Beam Detail Sheet No. 27

See Fill Beam Detail Sheet No. 27

| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISED - | |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN - MOVABLE SPAN
STRUCTURE NO. 099-9904

SCALE: SHEET OF SHEETS STA. TO STA.

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|---------------------------|---------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 313 | FAU 313 22 BP | WILL | 23 | 7 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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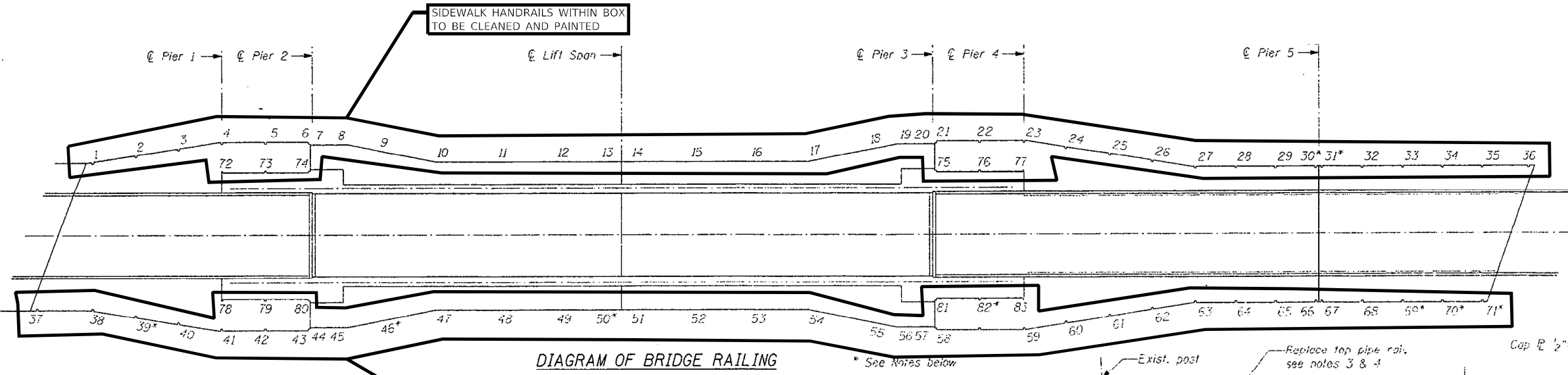
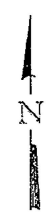
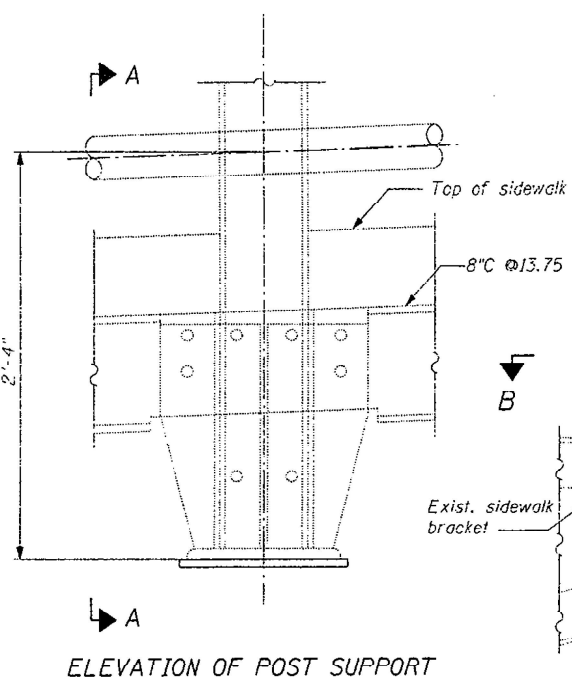
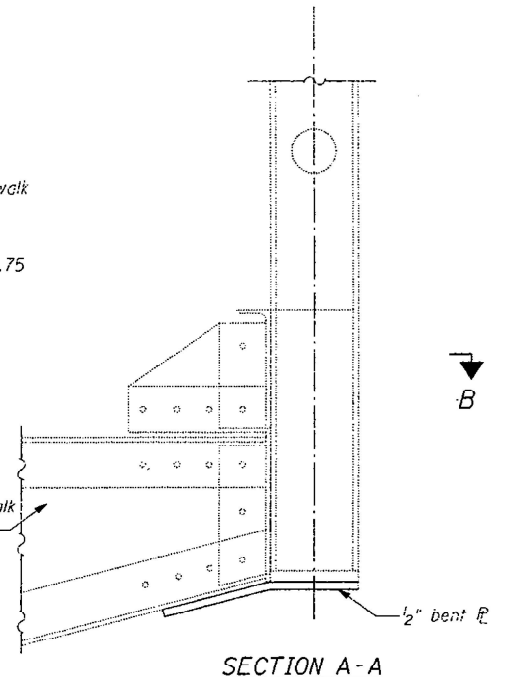


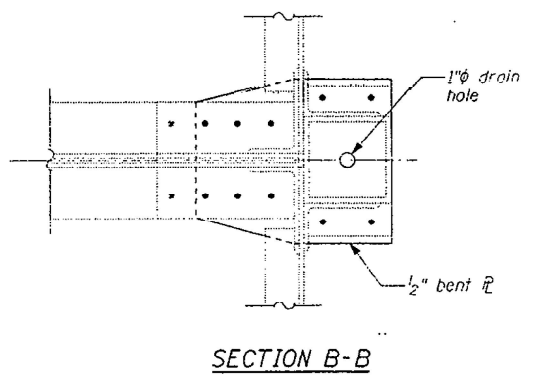
DIAGRAM OF BRIDGE RAILING



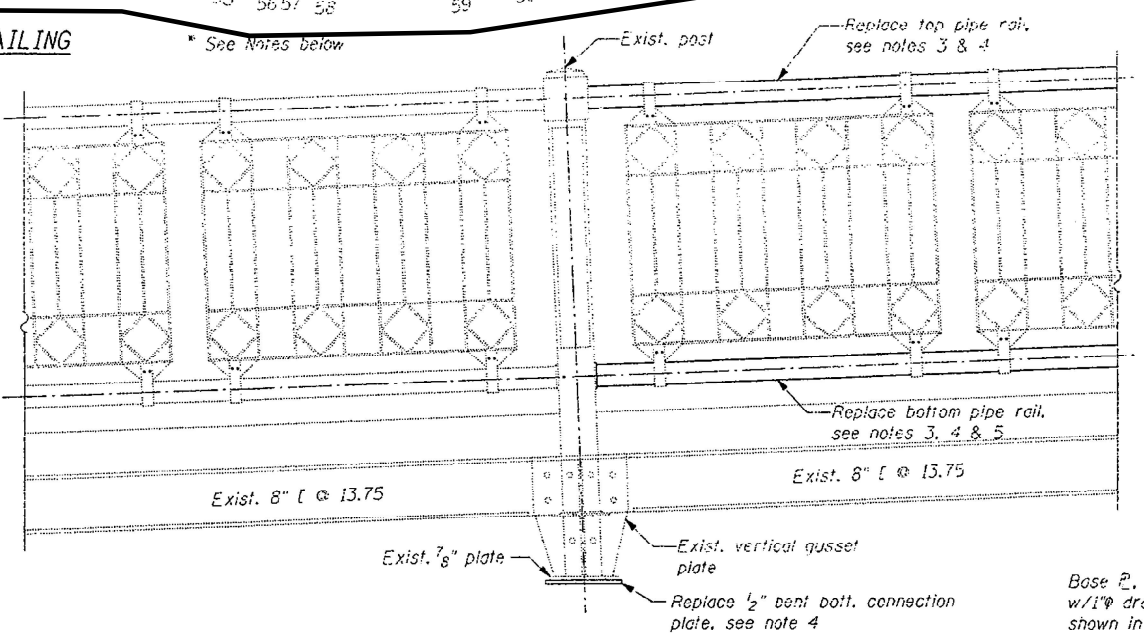
ELEVATION OF POST SUPPORT



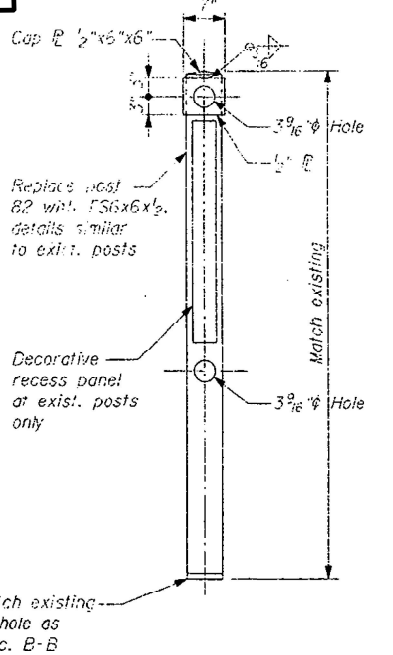
SECTION A-A



SECTION B-B



RAILINGS ELEVATION



POST ELEVATION
(Post 82 only)

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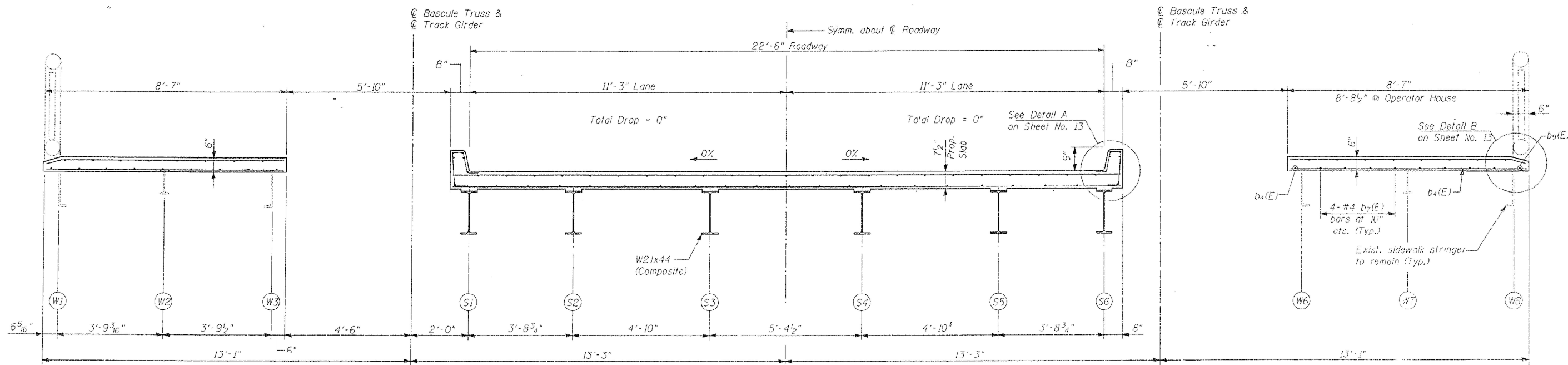
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|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE RAILING DETAILS
STRUCTURE NO. 099-9904

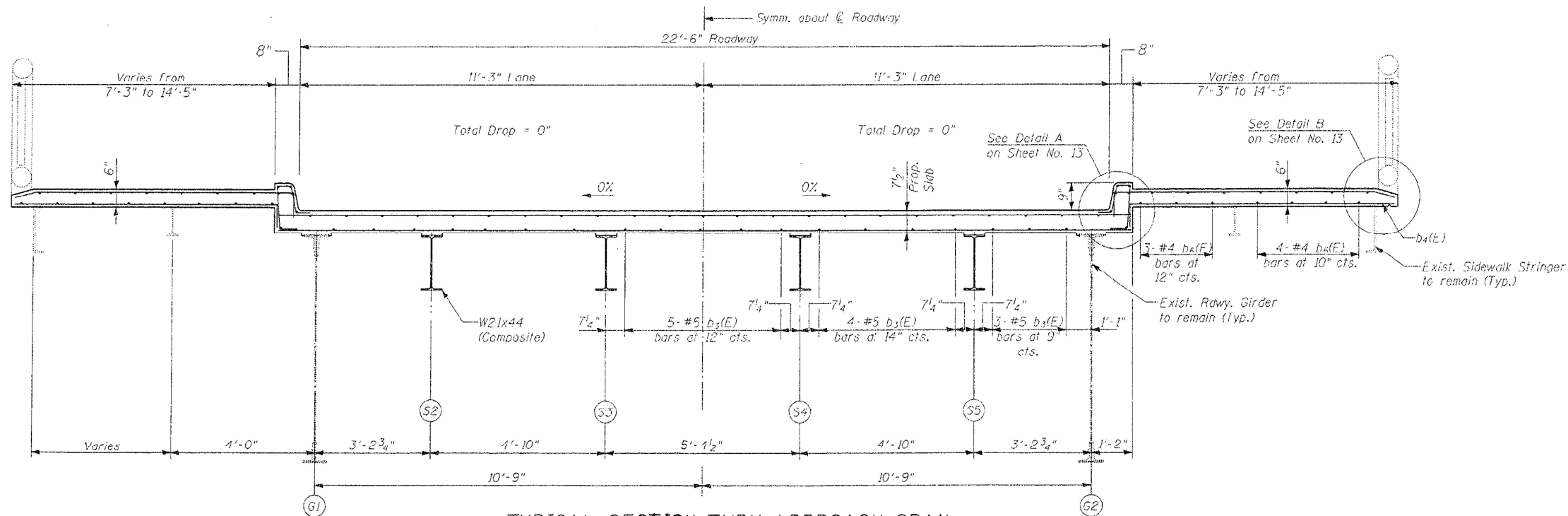
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



TYPICAL SECTION THRU TRACK GIRDER SPAN

Looking East



TYPICAL SECTION THRU APPROACH SPAN

Looking East

FOR INFORMATION ONLY

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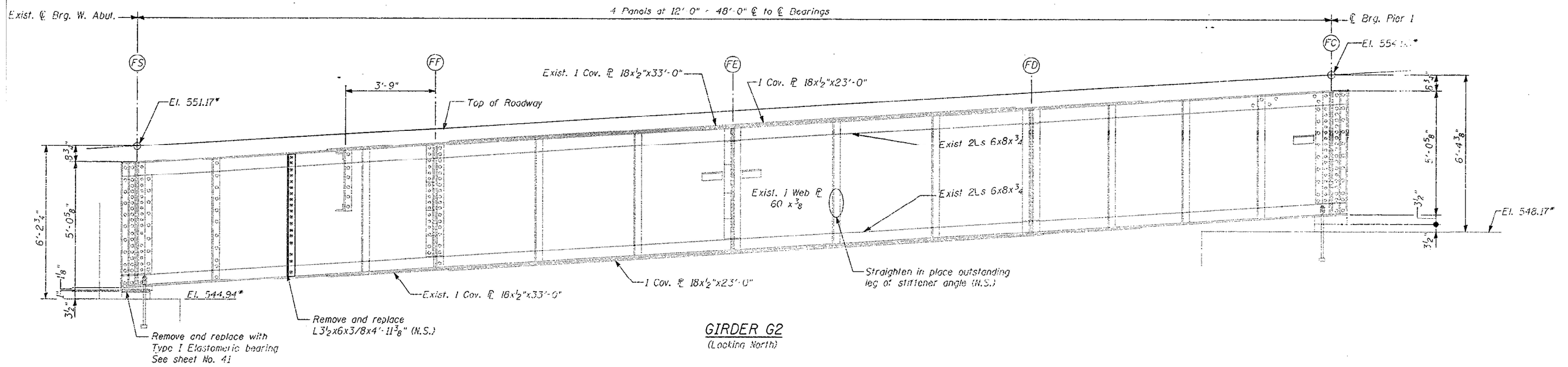
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| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

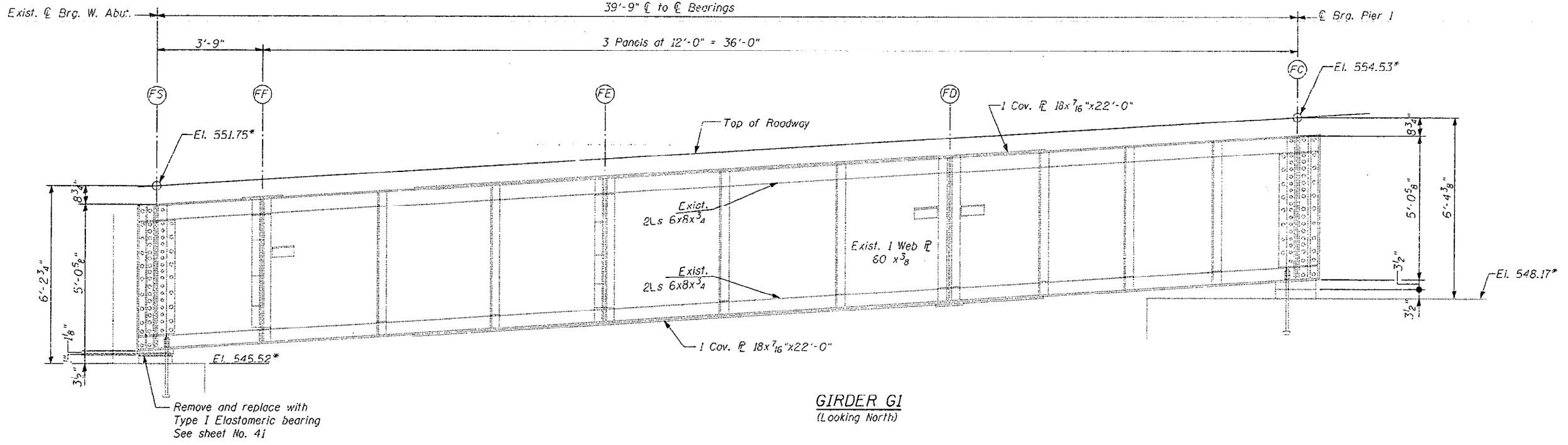
TYPICAL SECTIONS
STRUCTURE NO. 099-9904

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 9 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



GIRDER G2
(Looking North)



GIRDER G1
(Looking North)

FOR INFORMATION ONLY

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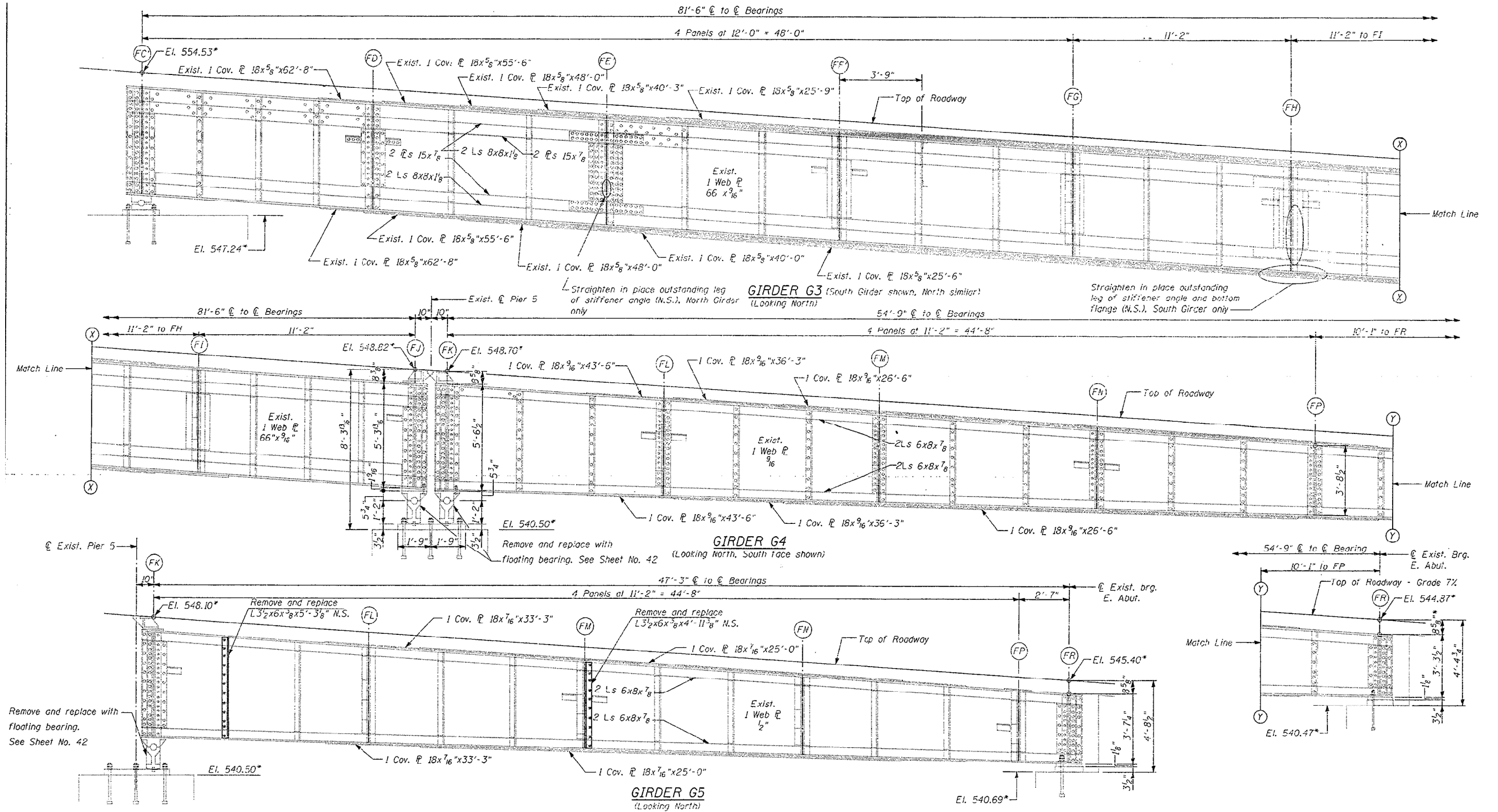
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| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GIRDERS - G1 & G2
STRUCTURE NO. 099-9904**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 313 | FAU 313 22 BP | WILL | 23 | 10 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



* Base on existing drawings. Contractor shall verify before fabrication.

FOR INFORMATION ONLY

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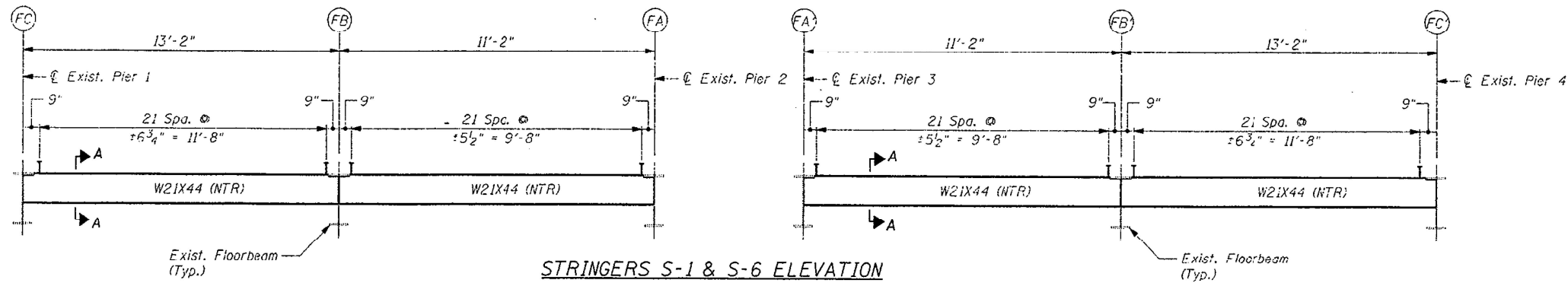
| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/18/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

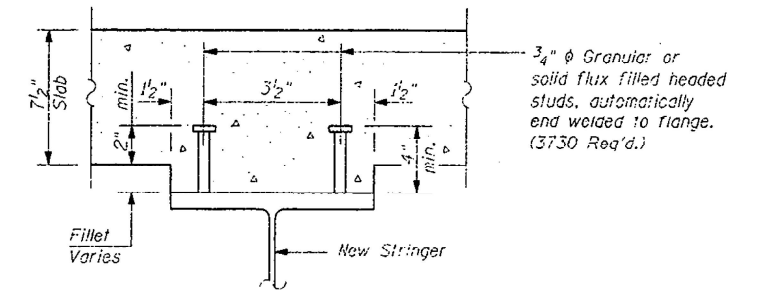
**GIRDERS G3-G5
STRUCTURE NO. 099-9904**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|--------------------|-----------------------|-------------|---------------------------|--------------|
| F.A. RTE. 313 | SECTION FAU 313 22 BP | COUNTY WILL | TOTAL SHEETS 23 | SHEET NO. 11 |
| CONTRACT NO. 62U37 | | | ILLINOIS FED. AID PROJECT | |

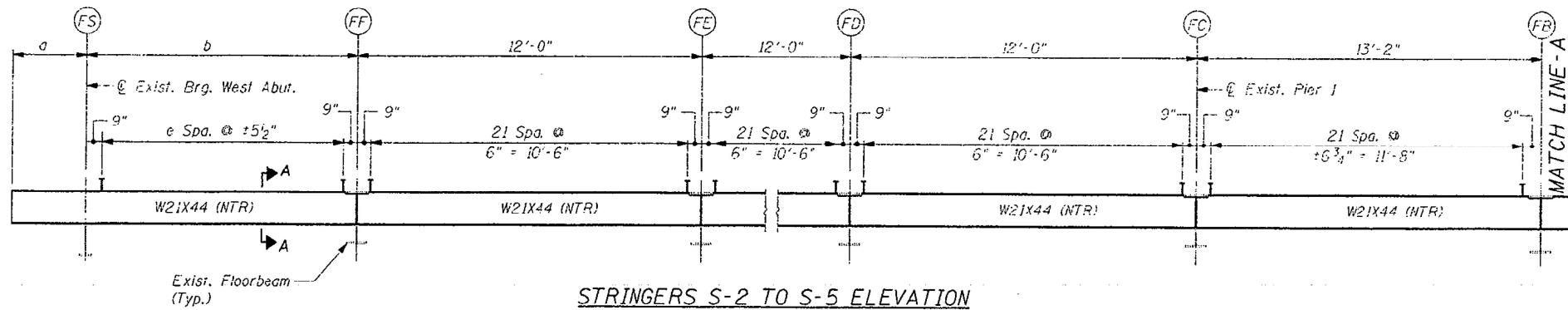


STRINGERS S-1 & S-6 ELEVATION

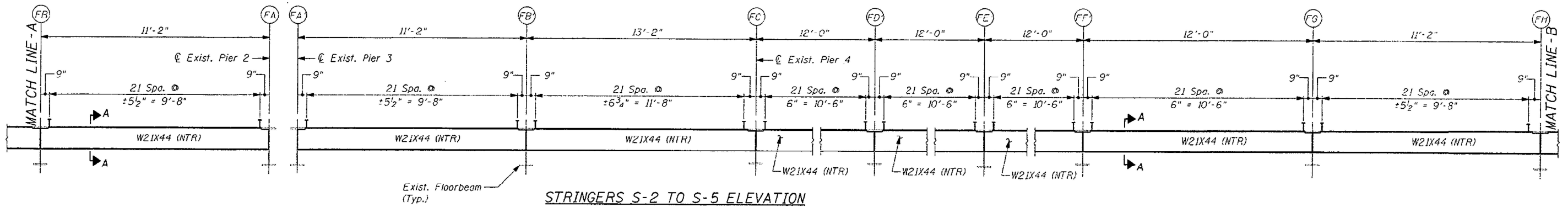


SECTION A-A

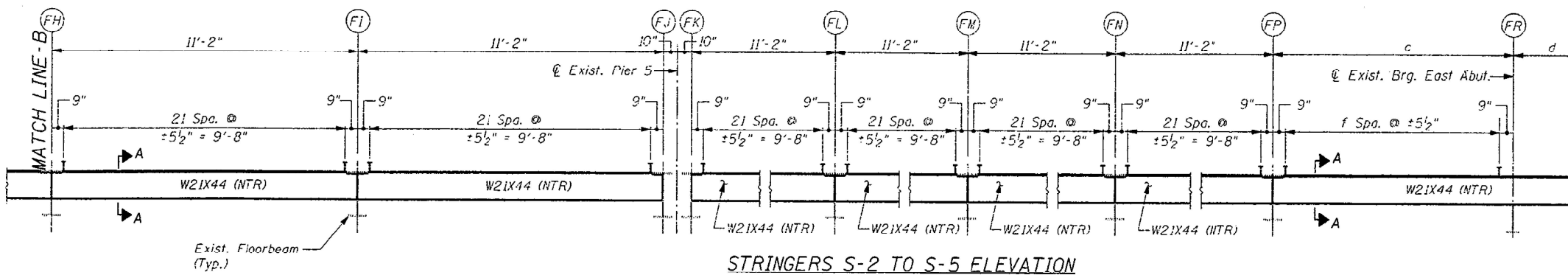
| Stringer | a | b | c | d | e | f |
|----------|--------------------------------------|--------|-------------------------------------|-------------------------------------|----|----|
| S2 | 1'-10 ³ / ₁₆ " | 4'-9" | 9'-2" | 1'-3 ¹ / ₁₆ " | 7 | 17 |
| S3 | 1'-8 ³ / ₁₆ " | 6'-9" | 7'-3 ¹ / ₁₆ " | 1'-4 ¹ / ₁₆ " | 11 | 13 |
| S4 | 1'-5 ⁵ / ₁₆ " | 9'-0" | 5'-3 ¹ / ₁₆ " | 1'-2 ¹ / ₁₆ " | 15 | 8 |
| S5 | 1'-2 ¹ / ₁₆ " | 11'-0" | 3'-5" | 1'-3 ¹ / ₁₆ " | 21 | 4 |



STRINGERS S-2 TO S-5 ELEVATION



STRINGERS S-2 TO S-5 ELEVATION



STRINGERS S-2 TO S-5 ELEVATION

FOR INFORMATION ONLY

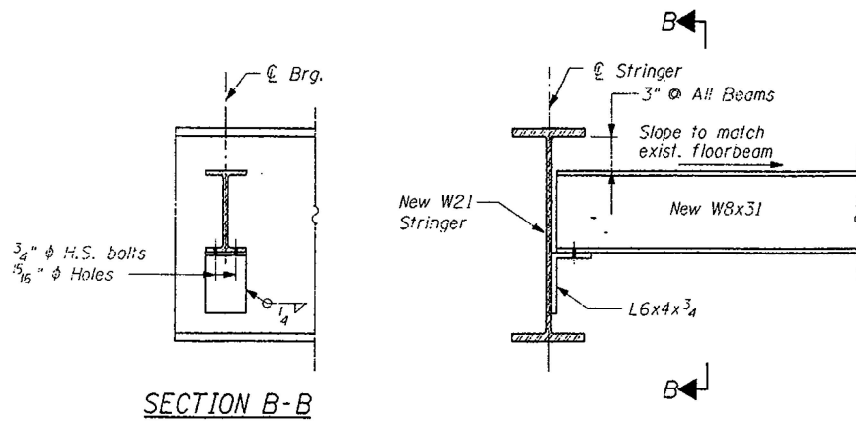
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 PROJECT: 1042733_CADDATA\Design\1042733-Str-Fin.dwg
 PLOT DATE: 2/8/2023

| | | |
|------------------------------|------------|-----------|
| USER NAME = danielwoods | DESIGNED - | REVISED - |
| DRAWN - | REVISOR - | |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 2/8/2023 | DATE - | REVISOR - |

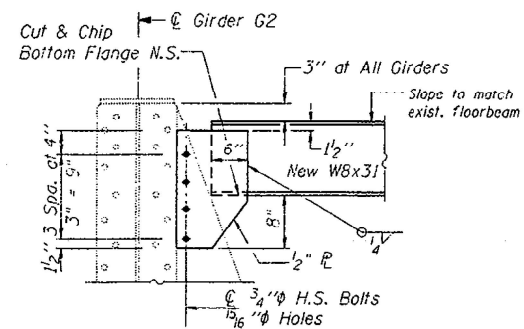
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|------------------------------|
| STRINGERS S1-S6 STRUCTURE NO. 099-9904 | |
| SCALE: | SHEET OF SHEETS STA. TO STA. |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 12 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

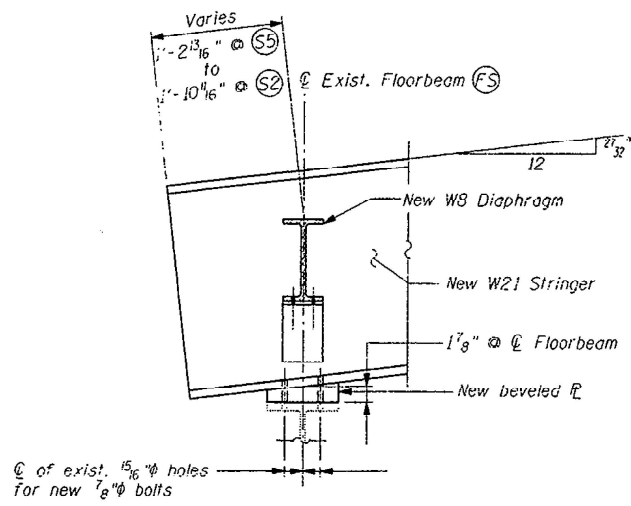


SECTION B-B

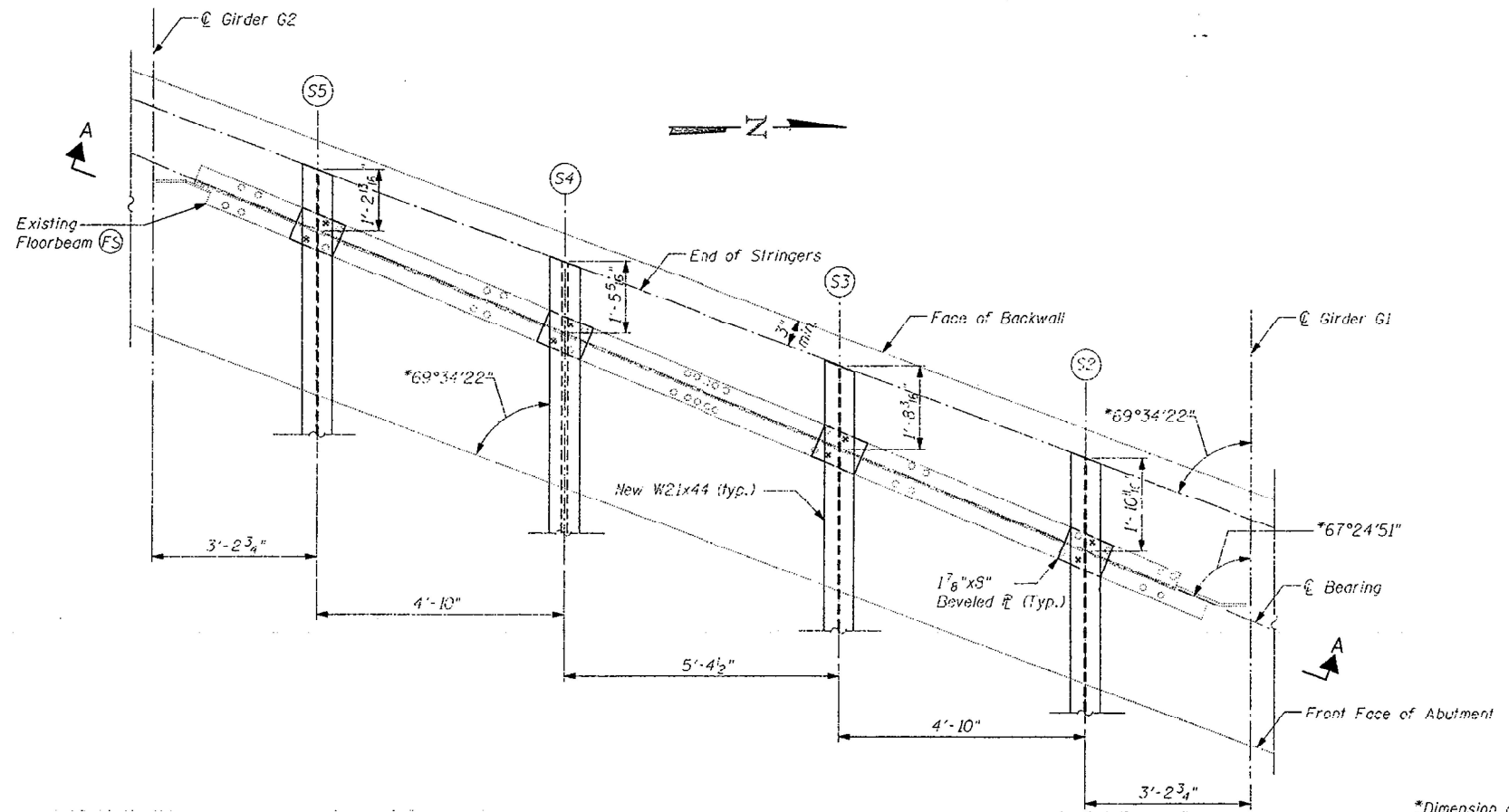


END DIAPHRAGM DETAIL
(5 Required)

Note: Two hardened washers shall be required over all oversized holes.

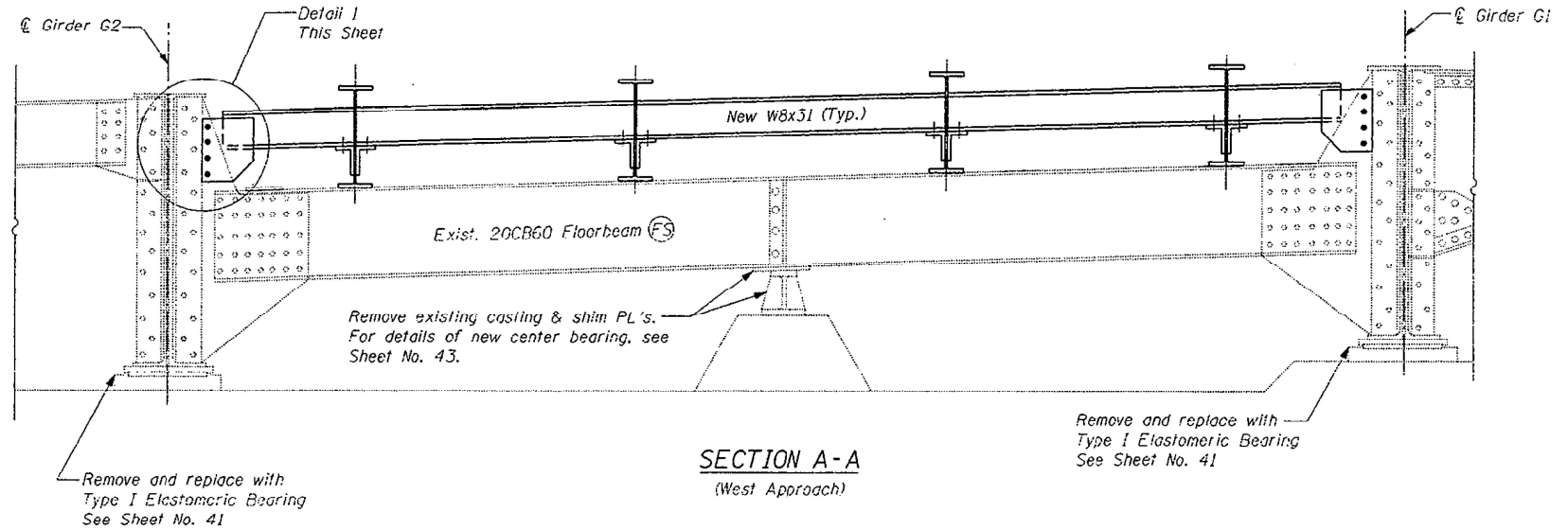


TYP. SECTION THRU DIAPHRAGM



PLAN OF END PANEL OF WEST APPROACH

*Dimension as per existing drawing.
Contractor shall verify before fabrication.



SECTION A-A
(West Approach)

FOR INFORMATION ONLY

MODEL: Default
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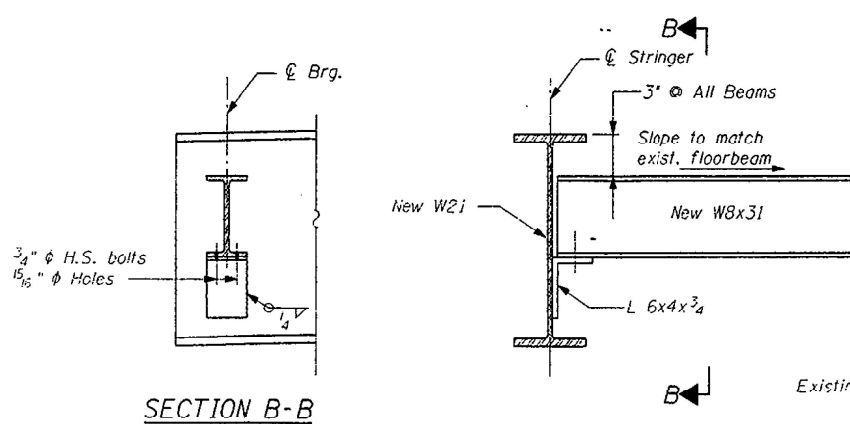
| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISOR - | |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 2/8/2023 | DATE - | REVISOR - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM - WEST APPROACH
STRUCTURE NO. 099-9904

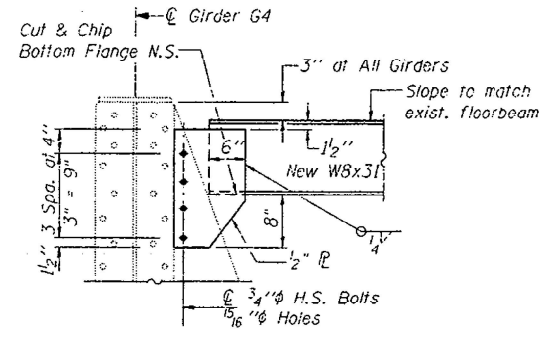
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 313 | FAU 313 22 BP | WILL | 23 | 13 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



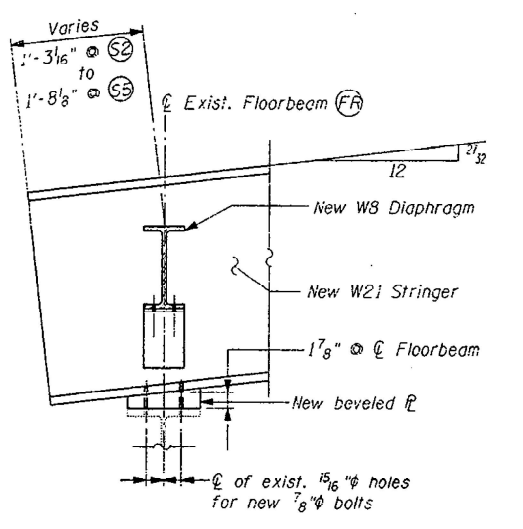
SECTION B-B

END DIAPHRAGM DETAIL
(5 Required)

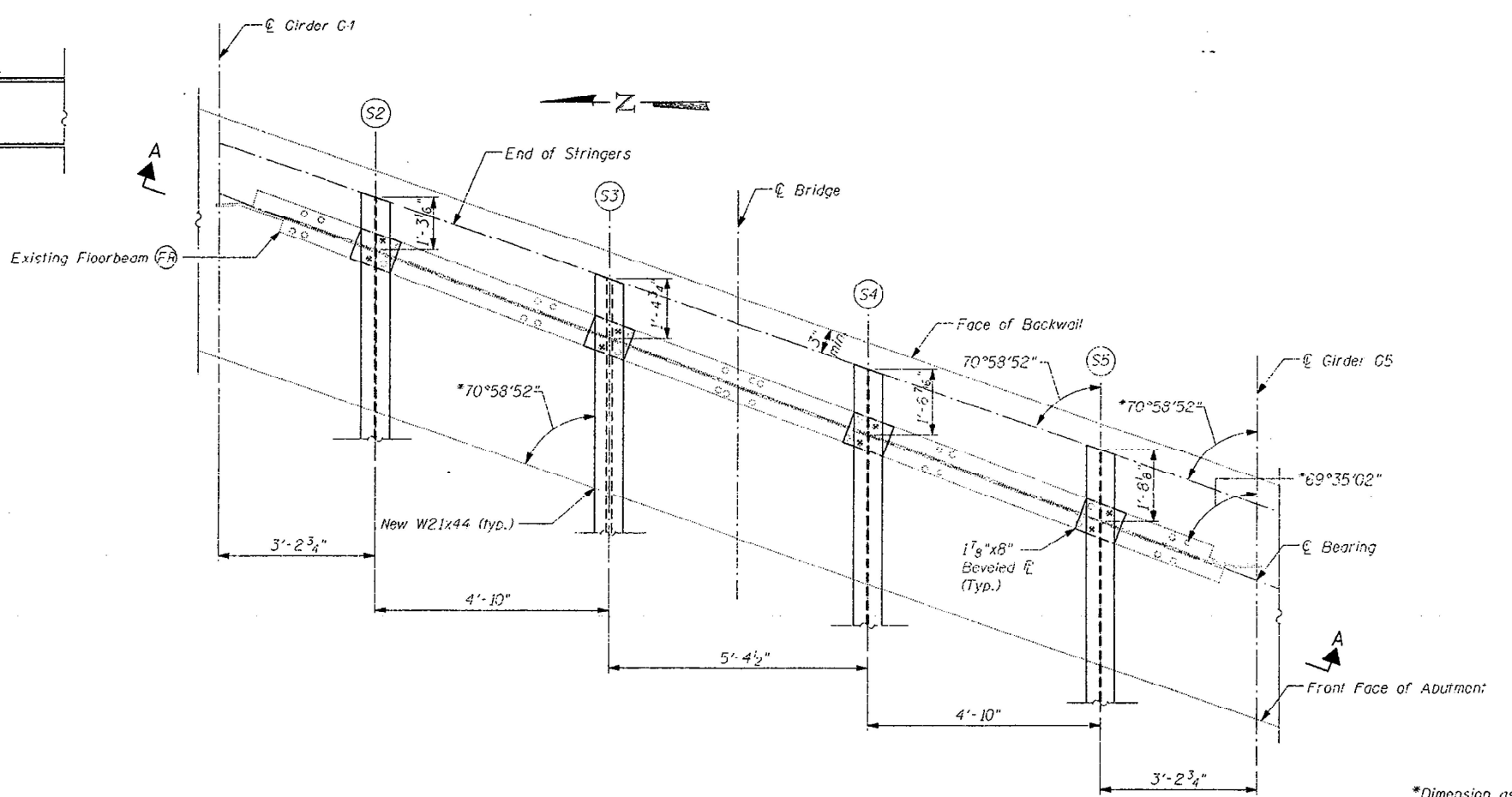


DETAIL 1

Note: Two hardened washers shall be required over all oversized holes.

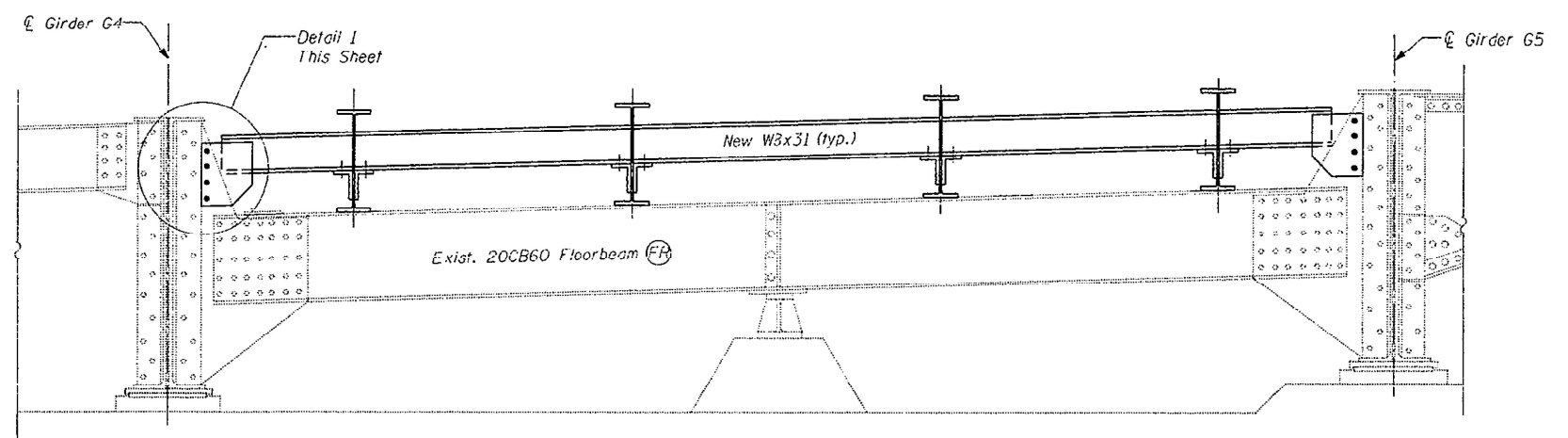


TYP. SECTION THRU DIAPHRAGM



PLAN OF END PANEL OF EAST APPROACH

*Dimension as per existing drawing.
Contractor shall verify before fabrication.



SECTION A-A
(East Approach)

FOR INFORMATION ONLY

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 PROJECT: 31131
 PROJECT PATH: \\project\31131\31131.ctb
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 PROJECT DATE: 2/8/2023

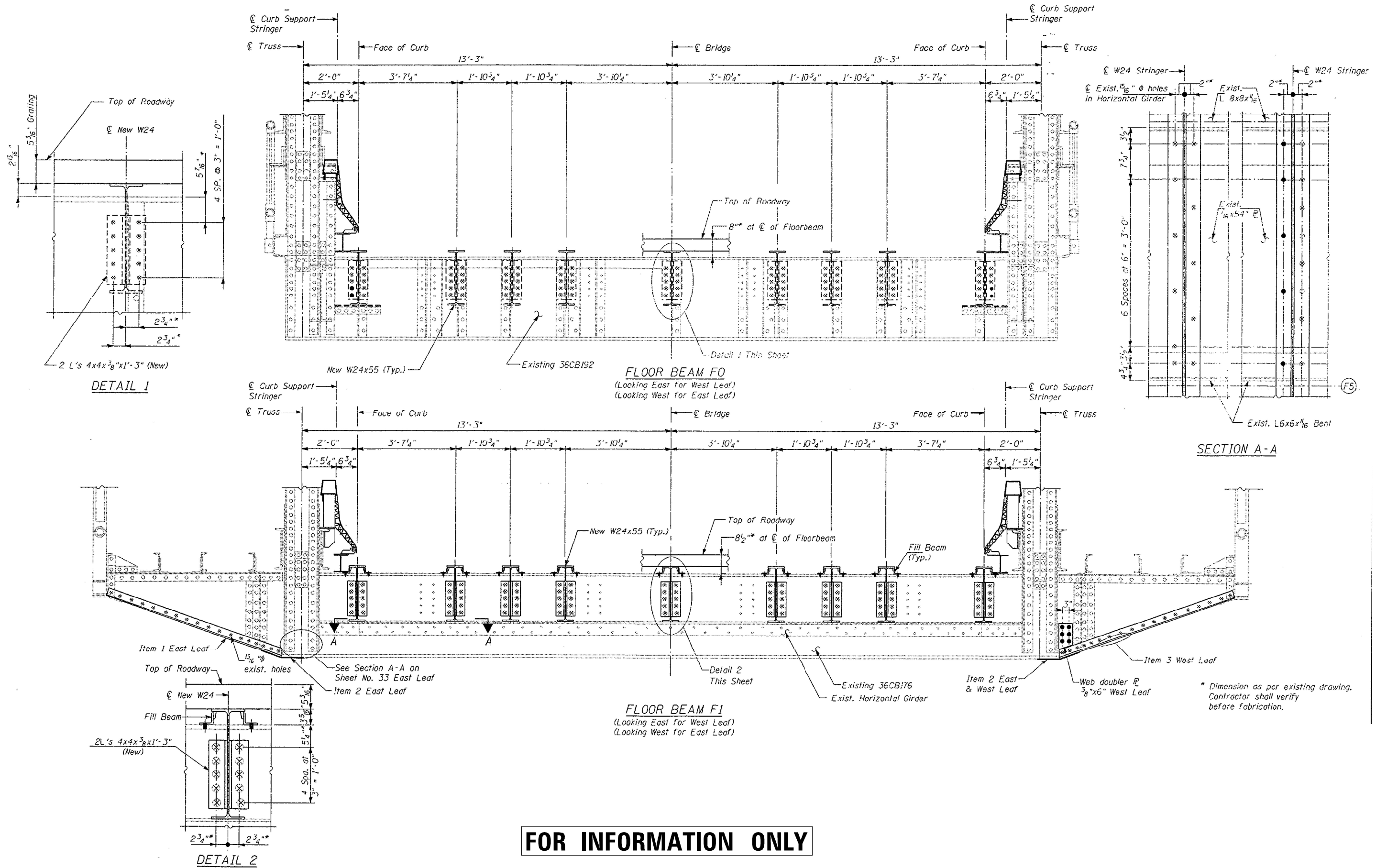
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|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM - EAST APPROACH
STRUCTURE NO. 099-9904

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------------|--------|---------------------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 14 |
| CONTRACT NO. 62U37 | | | ILLINOIS FED. AID PROJECT | |



FOR INFORMATION ONLY

* Dimension as per existing drawing. Contractor shall verify before fabrication.

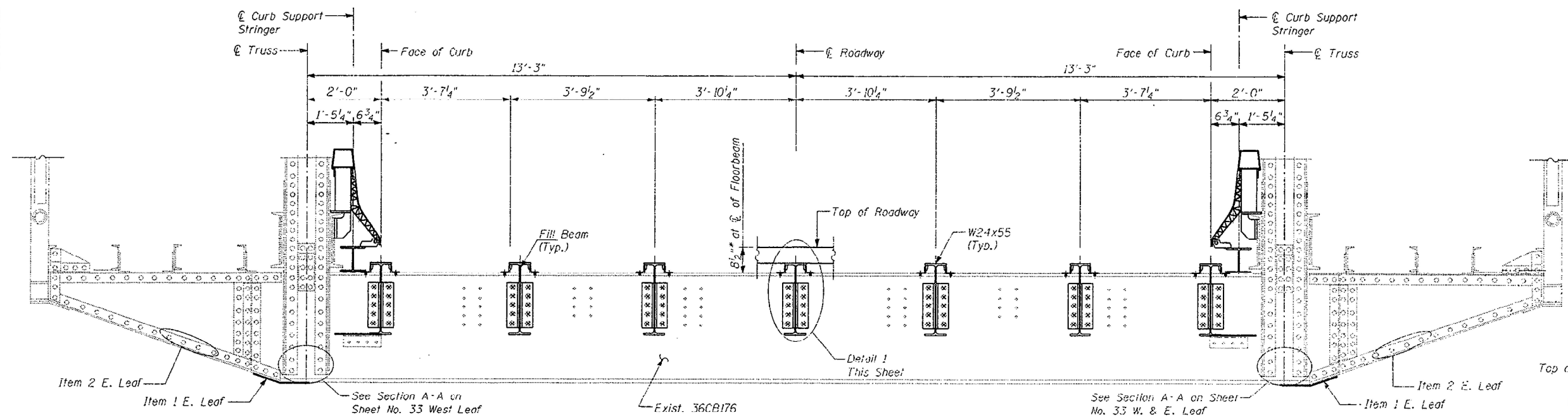
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| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISED - | |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

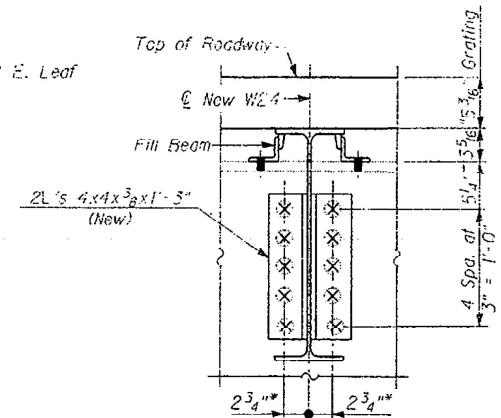
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | | | | |
|----------------------------------|--|-----------------|---------------|--------------|--------------|--------------------|
| FLOOR BEAMS - FO & F1 | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| STRUCTURE NO. 099-9904 | | 313 | FAU 313 22 BP | WILL | 23 | 15 |
| SCALE: | | SHEET OF SHEETS | | STA. TO STA. | | CONTRACT NO. 62U37 |

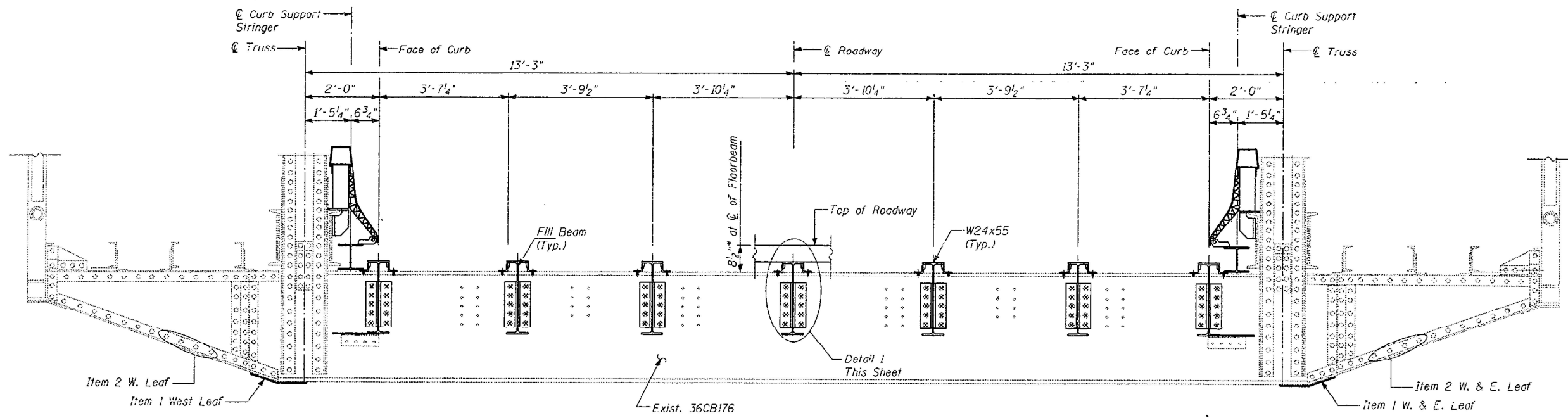
| | |
|----------|------------------|
| ILLINOIS | FED. AID PROJECT |
|----------|------------------|



FLOOR BEAM F2
 (Looking East for West Leaf)
 (Looking West for East Leaf)



DETAIL 1



FLOOR BEAM F3
 (Looking East for West Leaf)
 (Looking West for East Leaf)

* Dimension per existing drawing.
 Contractor shall verify before fabrication.

FOR INFORMATION ONLY

MODEL: Default
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 PROJECT: 1042233-CADDData\Design\1042233-36CB176.dwg

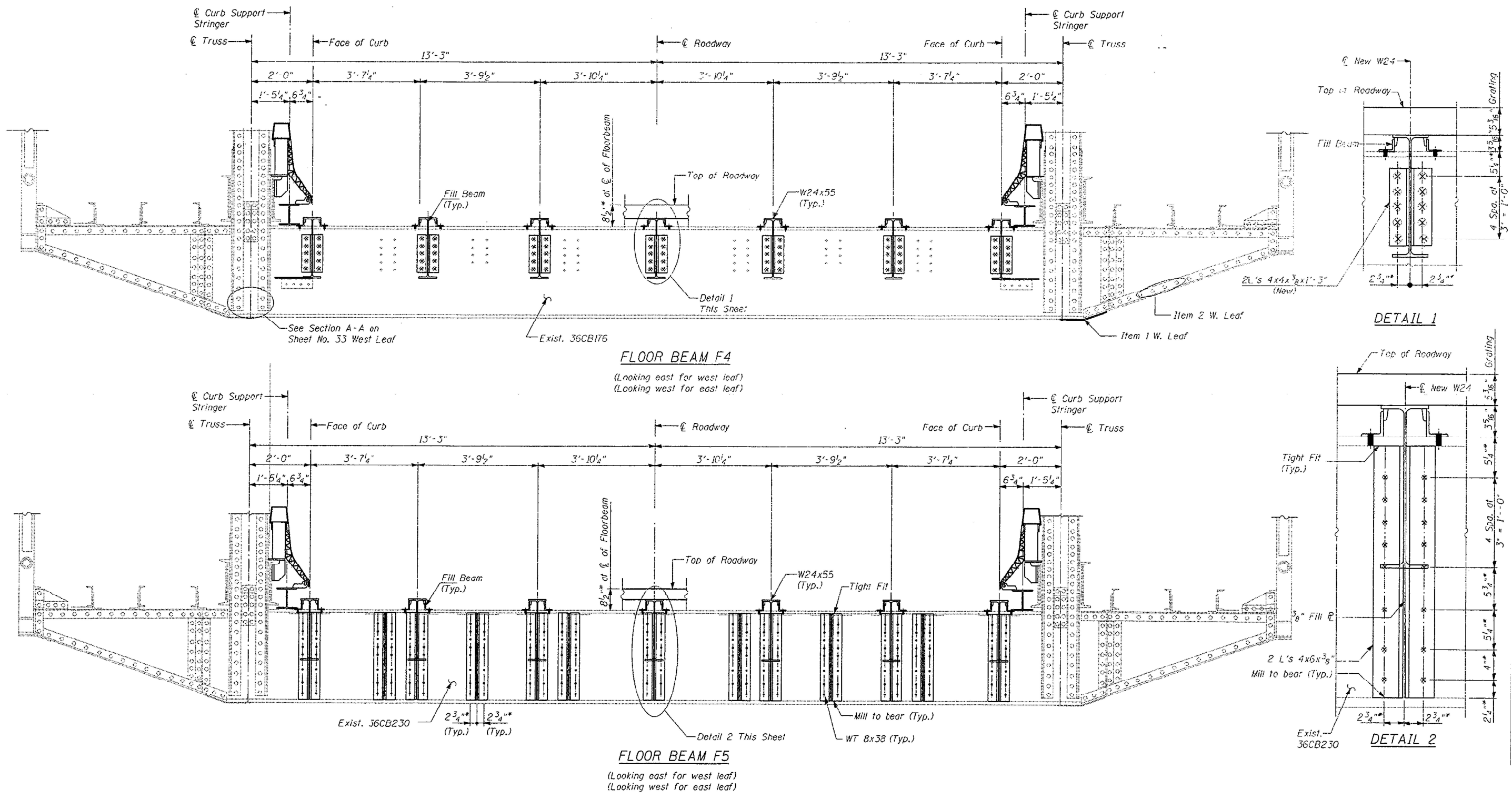
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|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FLOOR BEAMS F2 & F3
 STRUCTURE NO. 099-9904**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 16 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



FOR INFORMATION ONLY

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 PROJECT: 11042231

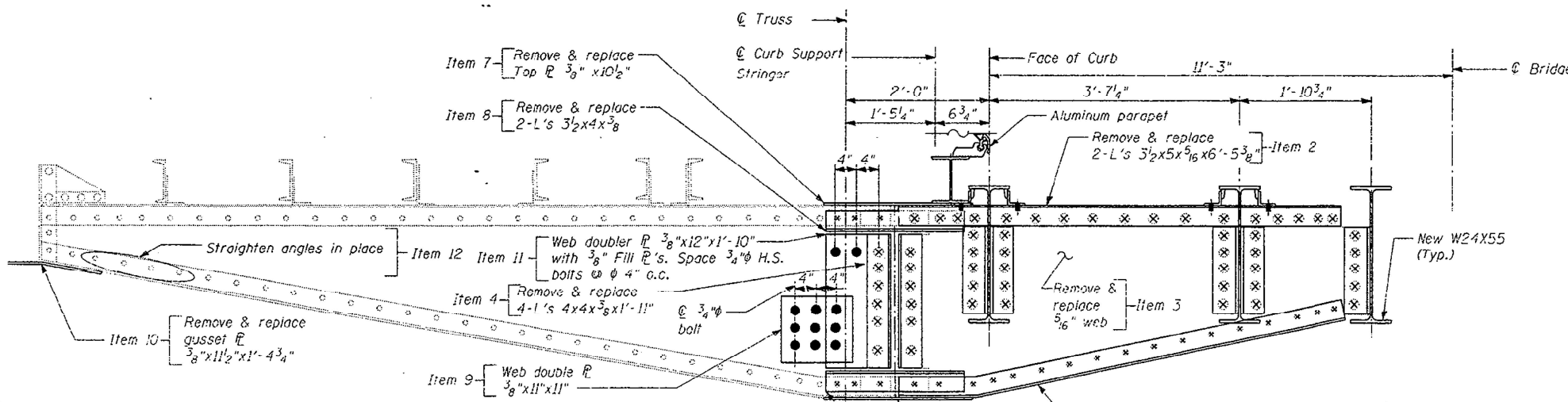
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|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

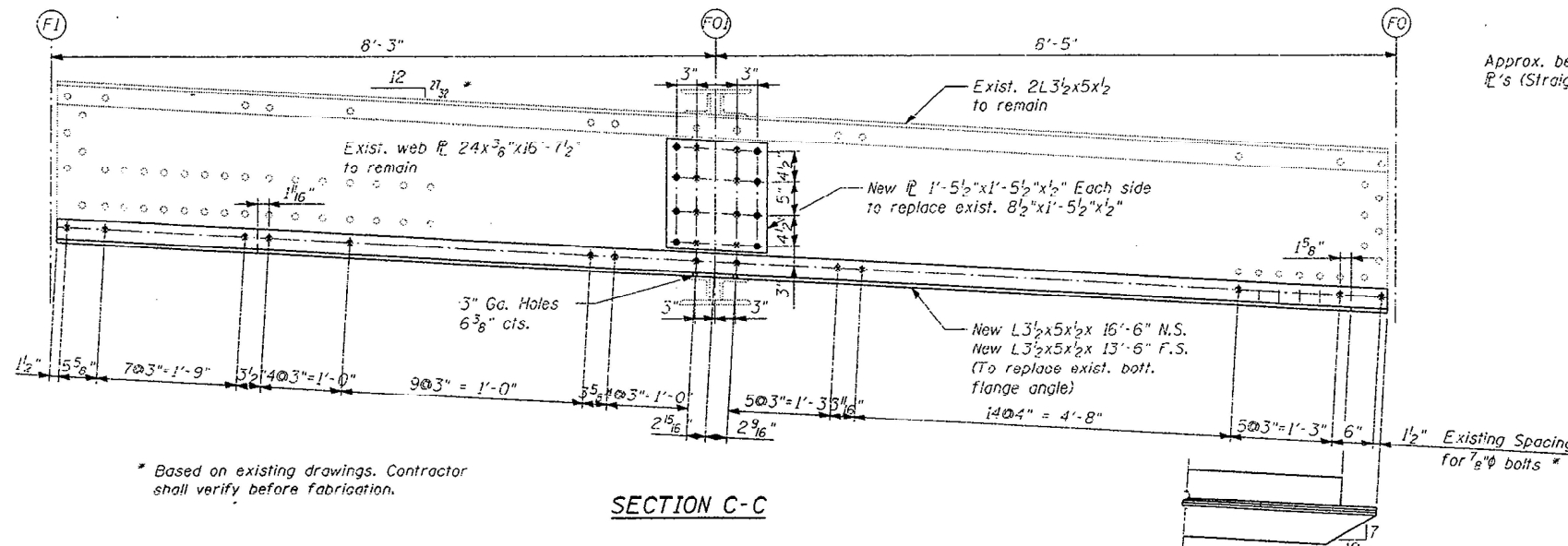
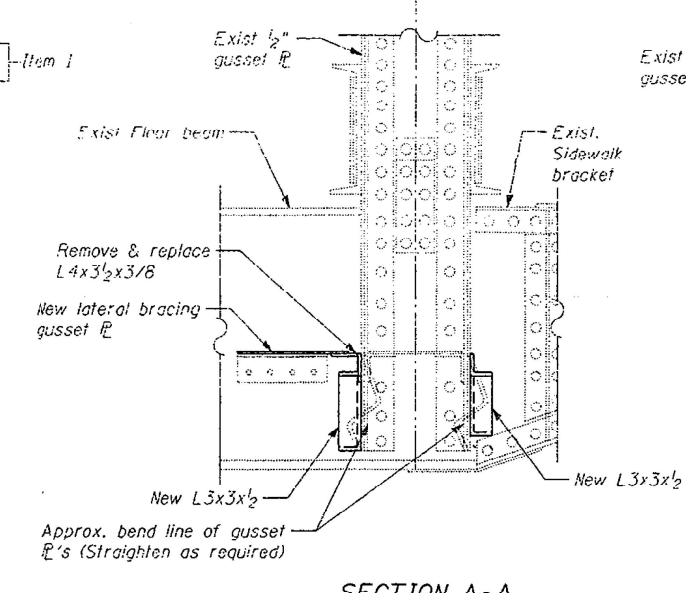
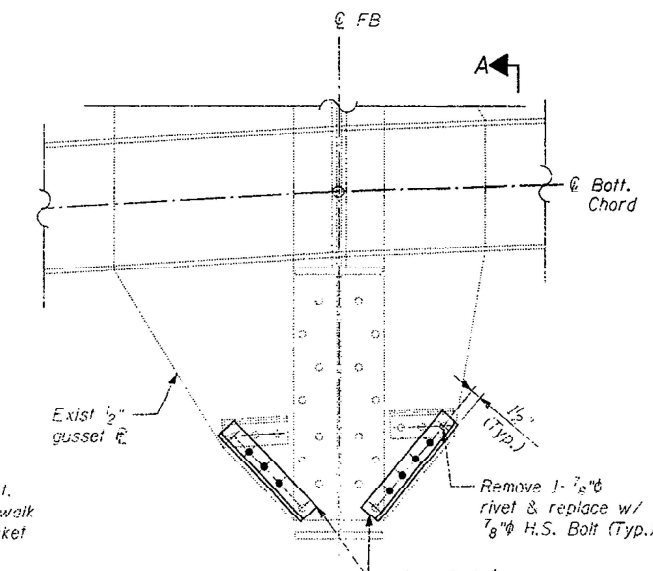
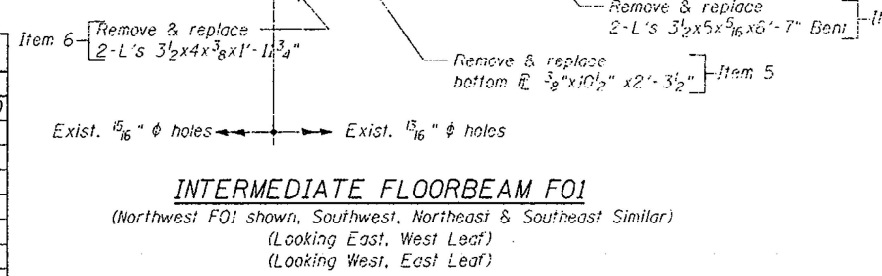
**FLOOR BEAMS F4 & F5
STRUCTURE NO. 099-9904**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 17 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| FLOORBEAM FO1 | | |
|---------------|---------------------|---|
| Item | Description | Location |
| 1 | Remove & replace | NW, NE, SF (Remove & replace 1-west bottom angle) |
| 2 | Remove & replace | SW, NE |
| 3 | Remove & replace | NW, NE |
| 4 | Remove & replace | NW (2-L's on South side), NE |
| 5 | Remove & replace | NW, NE |
| 6 | Remove & replace | NW, NE |
| 7 | Remove & replace | NW, NE |
| 8 | Remove & replace | NW, NE |
| 9 | Add web doubler L's | SW |
| 10 | Remove and replace | SW |
| 11 | Add web doubler L's | SE |
| 12 | Straighten in place | SE |



* Based on existing drawings. Contractor shall verify before fabrication.

FOR INFORMATION ONLY

| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

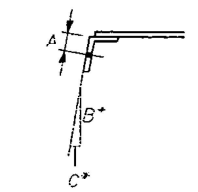
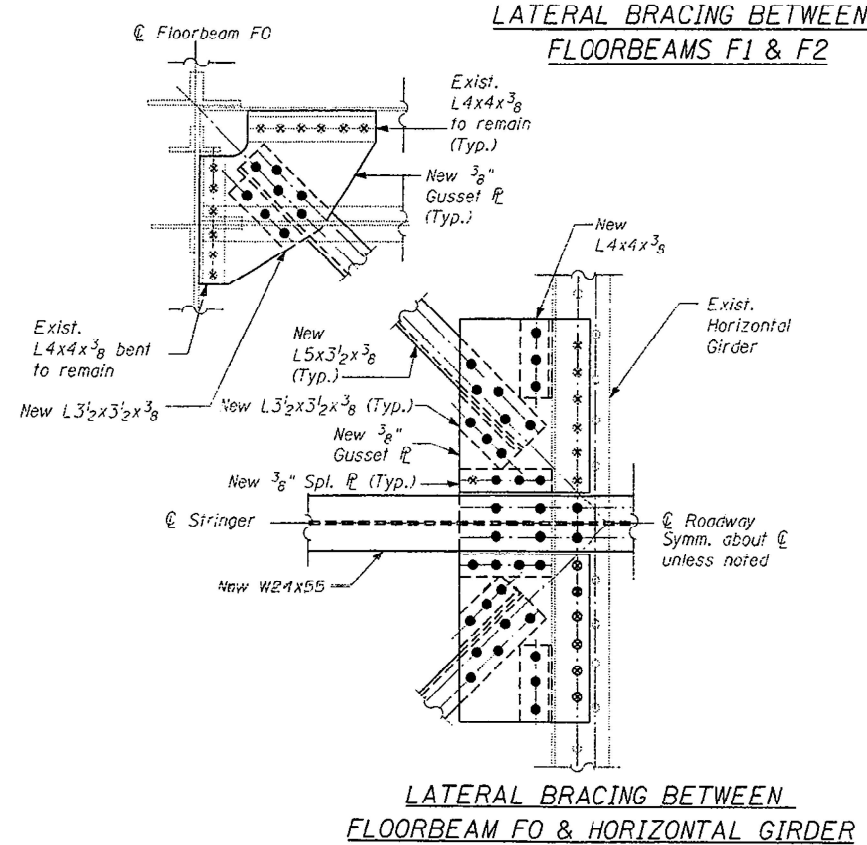
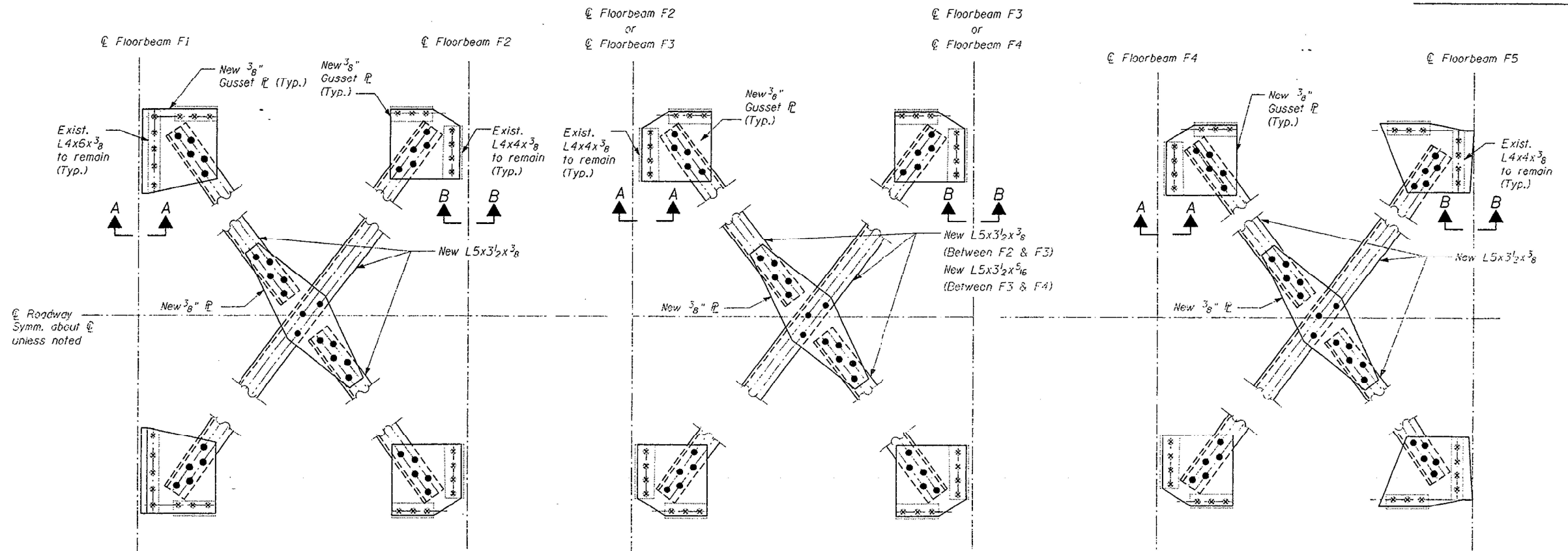
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLOORBEAM FO1
STRUCTURE NO. 099-9904

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 18 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

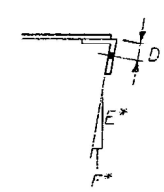
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 PROJECT: I:\Projects\1042323\CADDData\Design\1042323.dwg
 DATE: 2/8/2023



| | A | B* | C* |
|----|---------|----|---------|
| F1 | 2 7/16" | 12 | 2 1/32" |
| F2 | 2 1/2" | 12 | 1/16" |
| F3 | 2 1/2" | 12 | 1/16" |
| F4 | 2 1/2" | 12 | 3/16" |
| F5 | - | - | - |

*Verify in field.

SECTION A-A



| | D | E* | F* |
|----|--------|----|---------|
| F1 | - | - | - |
| F2 | 2 1/2" | 12 | 2 1/32" |
| F3 | 2 1/2" | 12 | 1/16" |
| F4 | 2 1/2" | 12 | 9/16" |
| F5 | 2 1/2" | 12 | 3/16" |

*Verify in field.

SECTION B-B

FOR INFORMATION ONLY

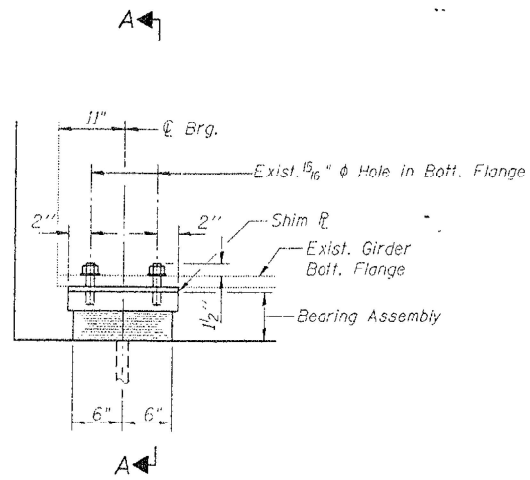
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LATERAL BRACING DETAILS
STRUCTURE NO. 099-9904

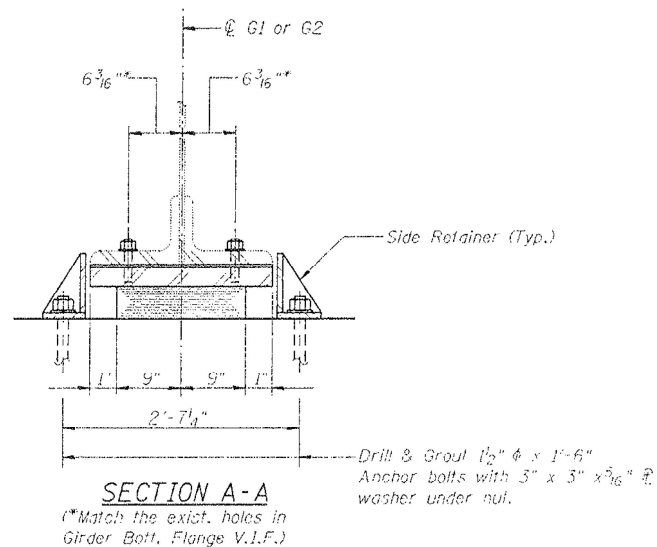
| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISOR - | REVISOR - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISOR - |
| PLOT DATE = 2/8/2023 | DATE - | REVISOR - |

| | | | | | | |
|-----------|---------------|--------|--------------|---------------------------|----|------|
| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
| | | | | | | |
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| 313 | FAU 313 22 BP | WILL | 23 | 19 | | |
| | | | | CONTRACT NO. 62U37 | | |
| | | | | ILLINOIS FED. AID PROJECT | | |

MODEL: Default
 FILE: Main1.dwg
 PLOT: Plot - Lateral Bracing Details
 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROJECT NO: 099-9904
 SHEET NO: 19
 DATE: 2/8/2023

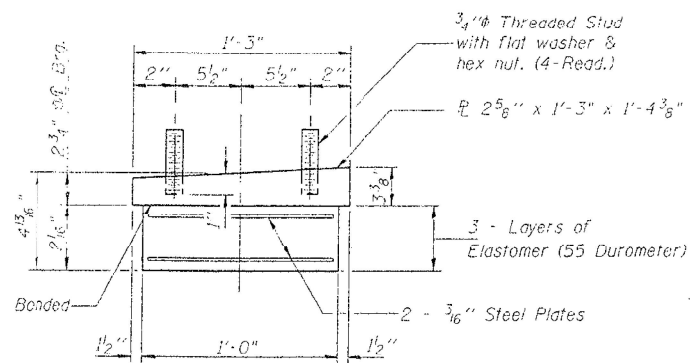


ELEVATION AT W. ABUT.
(North Side Similar)



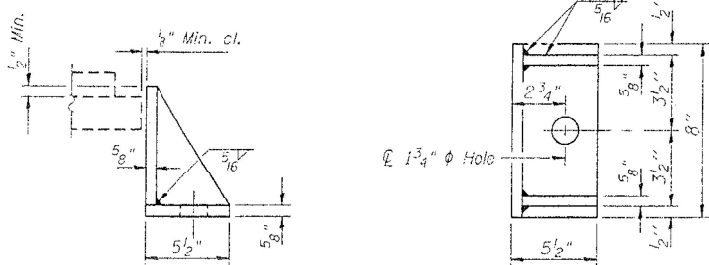
SECTION A-A
("Match the exist. holes in Girder Bott. Flange V.I.F.")

TYPE I ELASTOMERIC EXP. BRG.



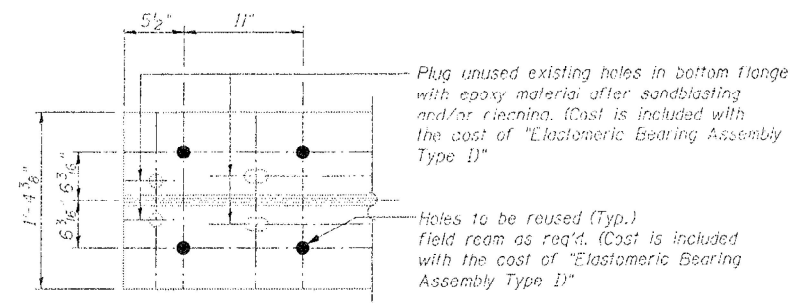
BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.

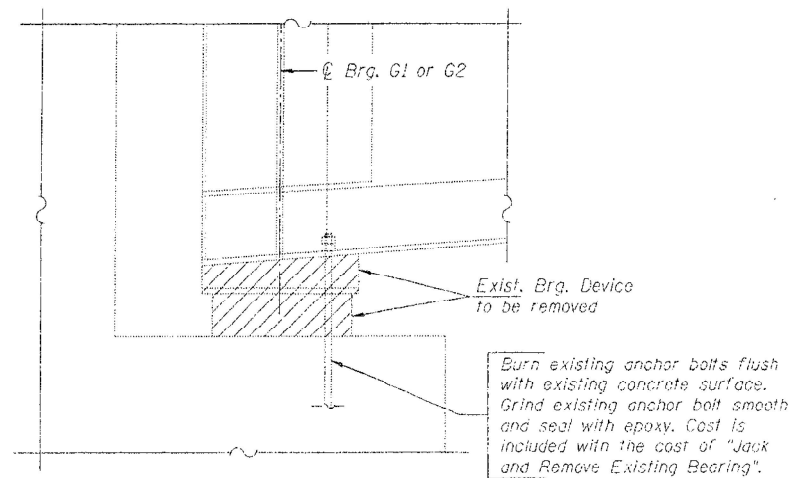


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.



EXIST. G1/G2 BOTT. FLANGE PLAN
(Brg. stiffener not shown for clarity)



REMOVAL ELEVATION-EXISTING BRG. (AT W. ABUT.)
(North Side Similar)

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\project-aw-beadwy.com\PIV\DOT\Documents\DOT Offsets\Dir\drct_1\Project\104223\CADD\data\Design\104223-shr-1-bro.dgn

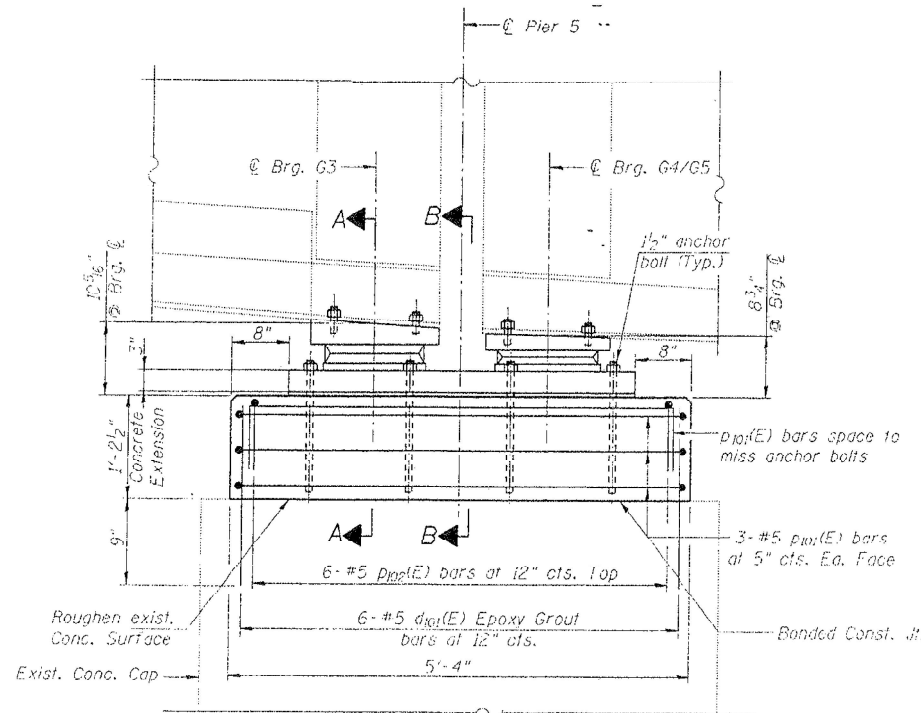
| | | |
|------------------------------|------------|-----------|
| USER NAME = danielwoods | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 2/8/2023 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 099-9904

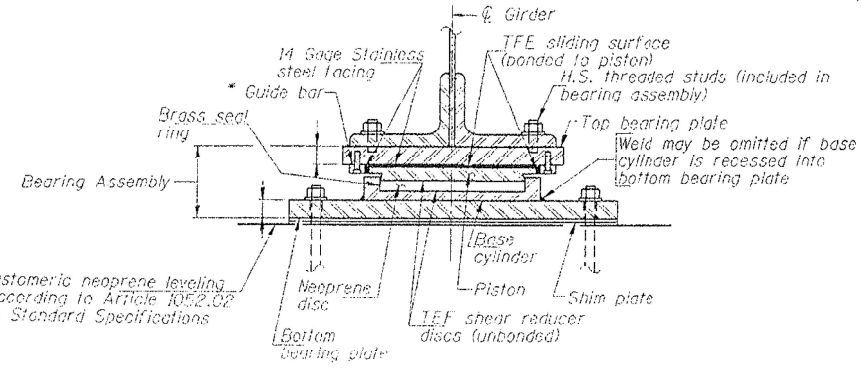
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 20 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

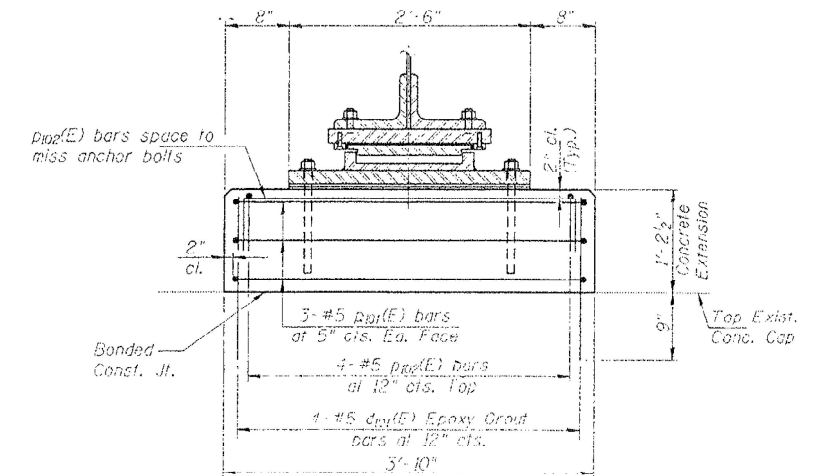


BEARING ELEVATION (AT PIER 5)
(NORTHSIDE SIMILAR)

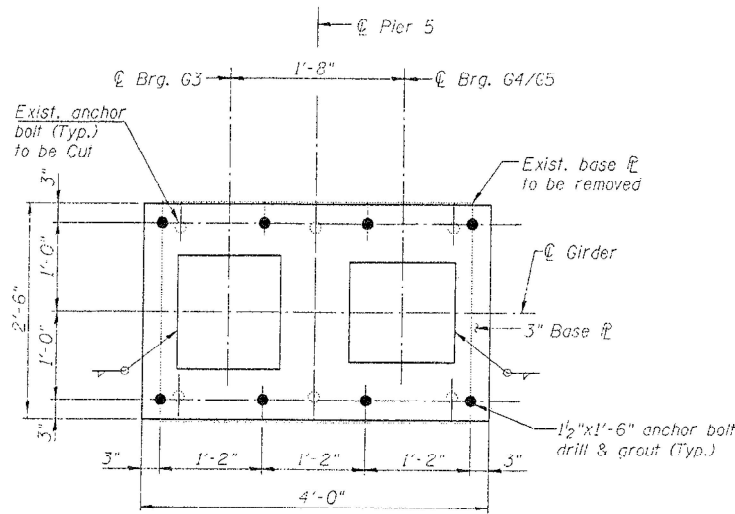
* As alternates to the bolted connection shown, the guide bars may be connected to the top bearing plate by groove welds or the guide bars and top bearing plate may be fabricated as a single piece.



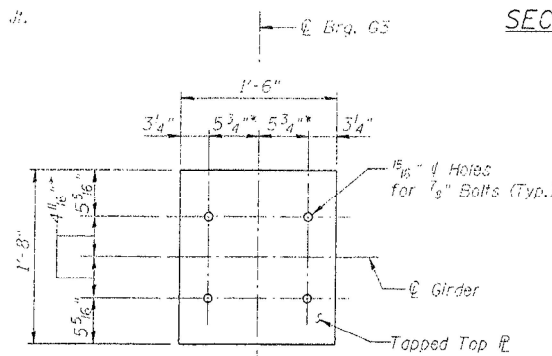
SECTION A-A



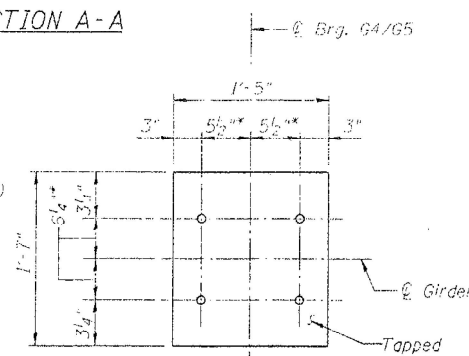
SECTION B-B



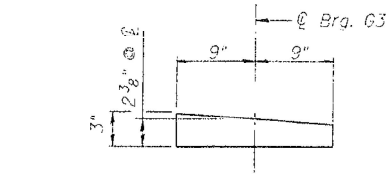
BASE PLATE PLAN



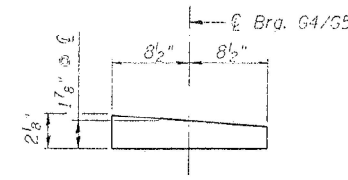
TOP PLATE PLAN



TOP PLATE PLAN

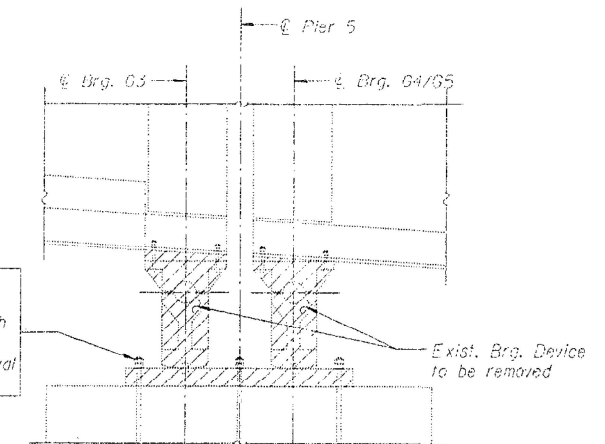


TOP PLATE ELEVATION



TOP PLATE ELEVATION

Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy. Cost is included with the cost of "Removal of Existing Bearings".



FOR INFORMATION ONLY

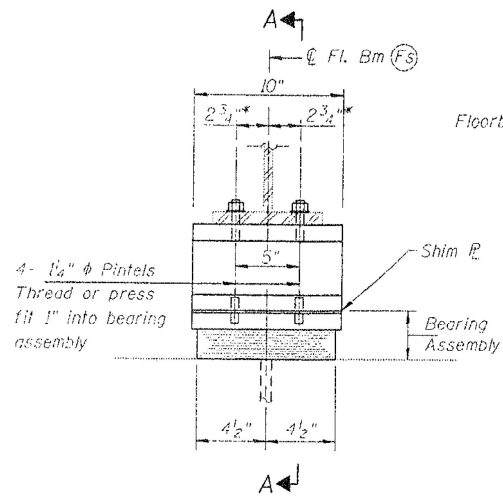
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 PLOT DATE: 2/8/2023

| | | |
|------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 2/8/2023 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

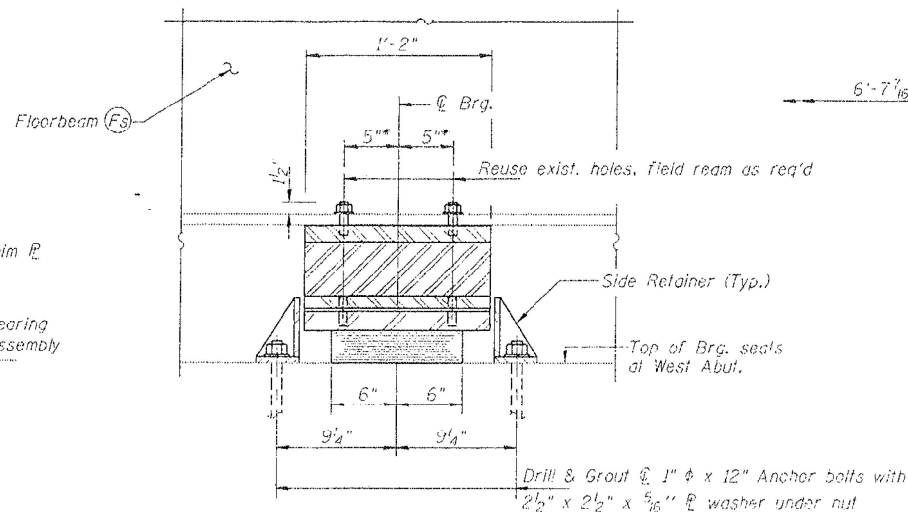
| | | | | | | |
|------------------------|-------|-----------|---------------|--------|--------------|-----------|
| BEARING DETAILS | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| STRUCTURE NO. 099-9904 | | 313 | FAU 313 22 BP | WILL | 23 | 21 |
| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |

| | | | |
|--------------------|--|----------|------------------|
| CONTRACT NO. 62U37 | | ILLINOIS | FED. AID PROJECT |
|--------------------|--|----------|------------------|



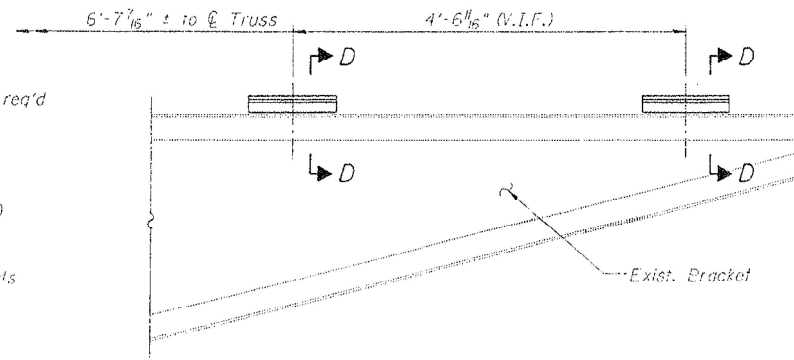
ELEVATION

(*Match the exist. holes in Floorbeam Bott. Flange V.I.F.)



SECTION A-A

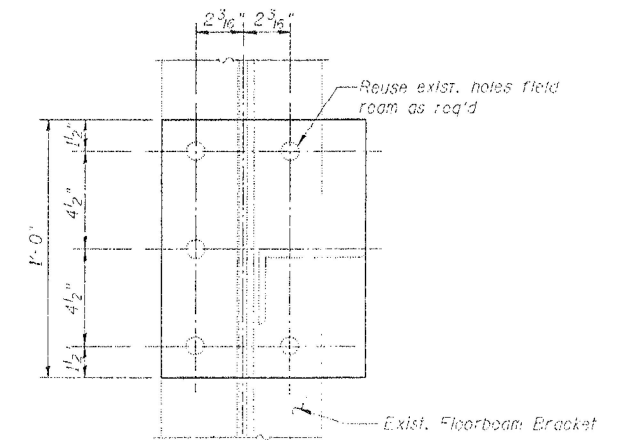
(*Match the exist. holes in Floorbeam Bott. Flange V.I.F.)



SECTION C-C

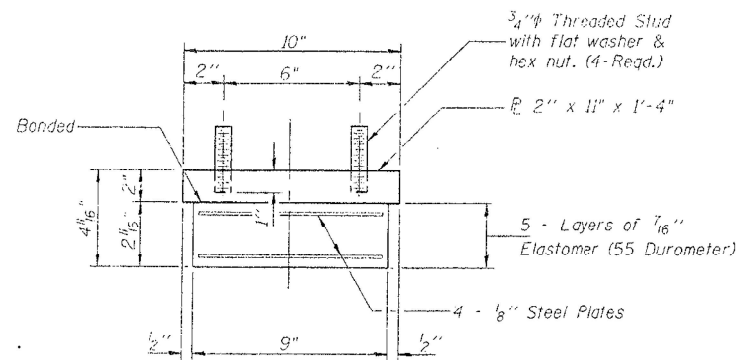
BRG. PADS @ FLOOR BEAM BRACKET "FA & FA"

(3 Req'd)



PLAN

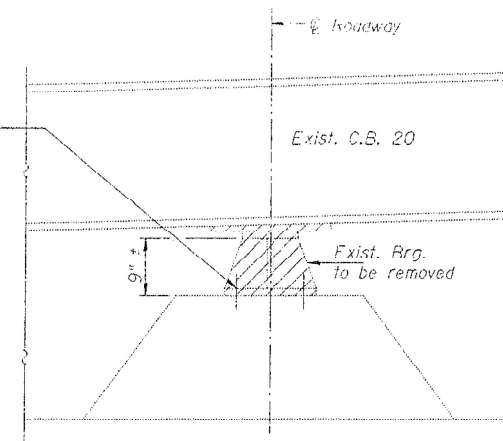
TYPE I ELASTOMERIC EXP. BRG. @ WEST ABUT. FLOOR BEAM FS



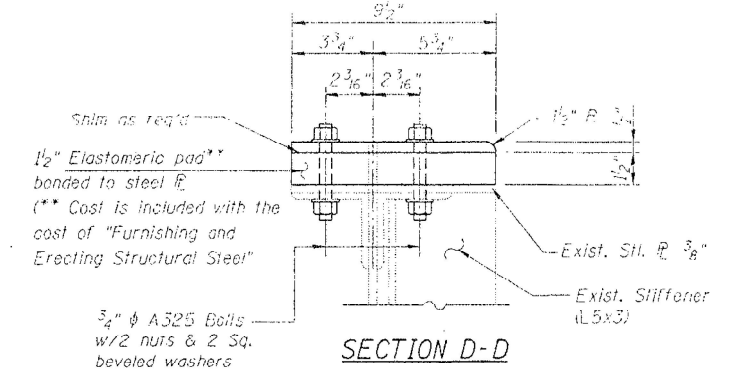
BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.

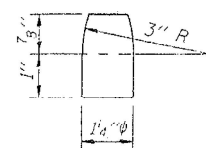
Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy. Cost is included with the cost of "Jack and Remove Existing Bearing".



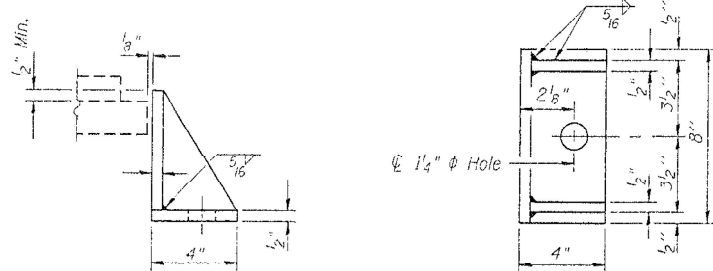
REMOVAL ELEVATION - EXISTING BEARING @ WEST ABUT. FL. BEAM FS



SECTION D-D

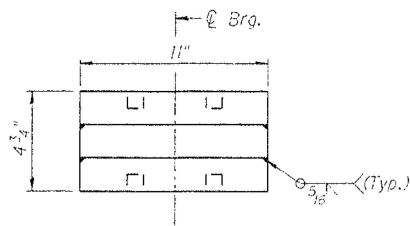


PINTLE

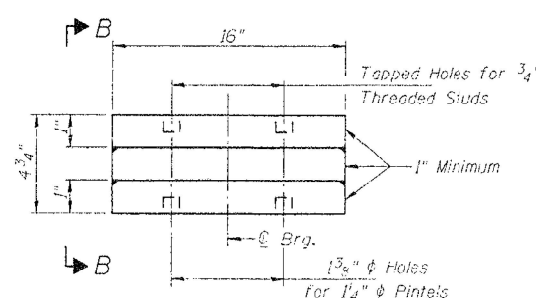


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.



SECTION B-B



ELEVATION STEEL EXTENSION

FOR INFORMATION ONLY

MODEL: Default FILE: 304162_001\Subcontract\Bentley.com\PROJECT\Documents\DOT Office\Drawings\Project\042323\CADD\data\Design\042323-struct-bentl.com

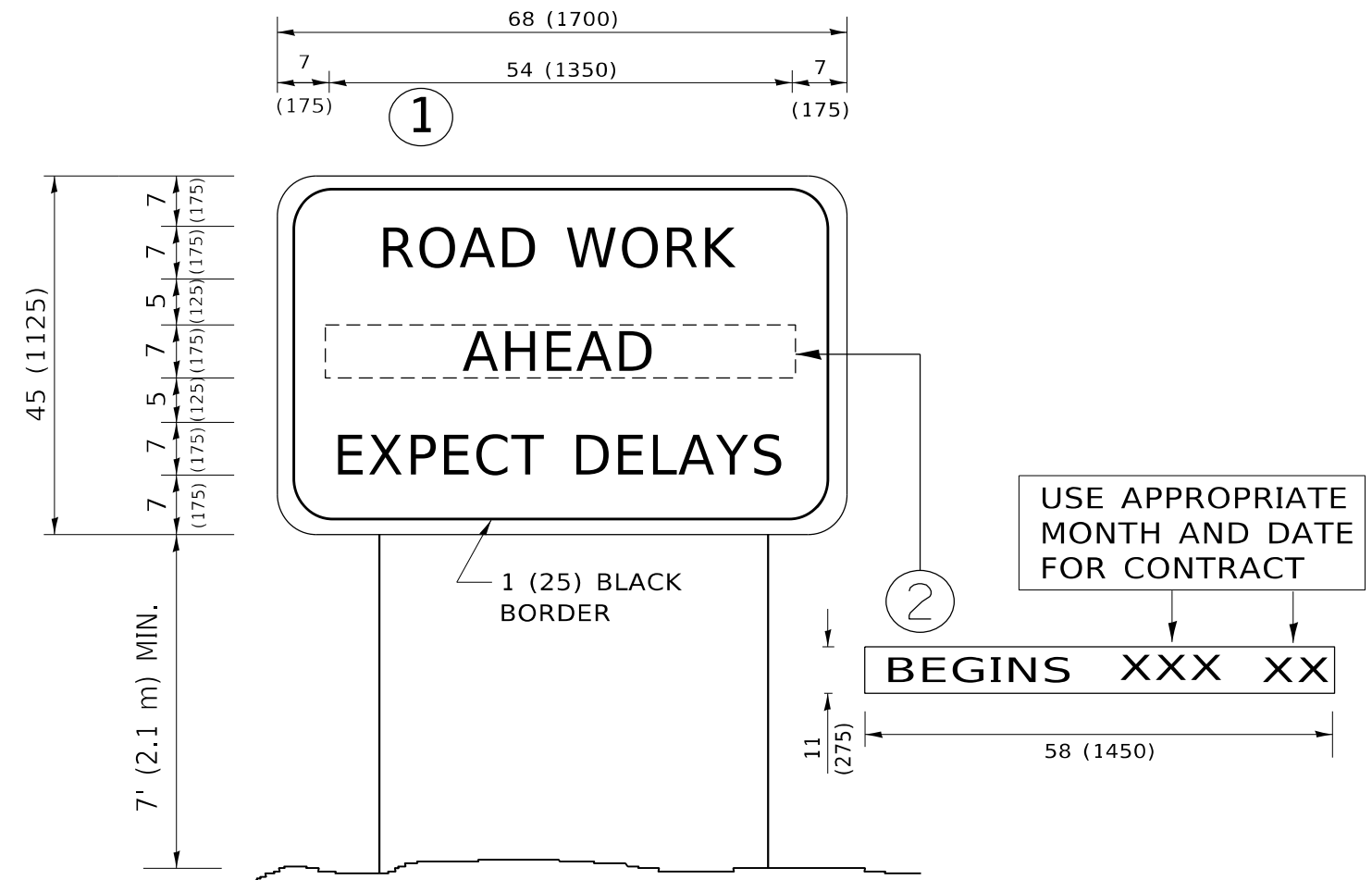
| | | |
|-------------------------------|------------|-----------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - |
| DRAWN - | REVISOR - | |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BEARING DETAILS
STRUCTURE NO. 099-9904**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 313 | FAU 313 22 BP | WILL | 23 | 22 |
| CONTRACT NO. 62U37 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
 FILE NAME: p:\project\paw\benefit.com\PIV\DOT\Documents\DOT\Office\Dir\rdet_1\Project\104223\CADD\data\Design\BdFSt.dgn

| | | |
|-------------------------------|------------|---------------------------------|
| USER NAME = daniel.woods | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| | DRAWN - | REVISED - R. MIRS 12-11-97 |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 2/8/2023 | DATE - | REVISED - C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | | |
| TC-22 | | | CONTRACT NO. | |
| ILLINOIS FED. AID PROJECT | | | | |