

| | | | | |
|---------------------|----------|--------------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 477 | 108B-1-2 | TAZEWELL | 29 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS | CONTRACT NO. 68485 | | |

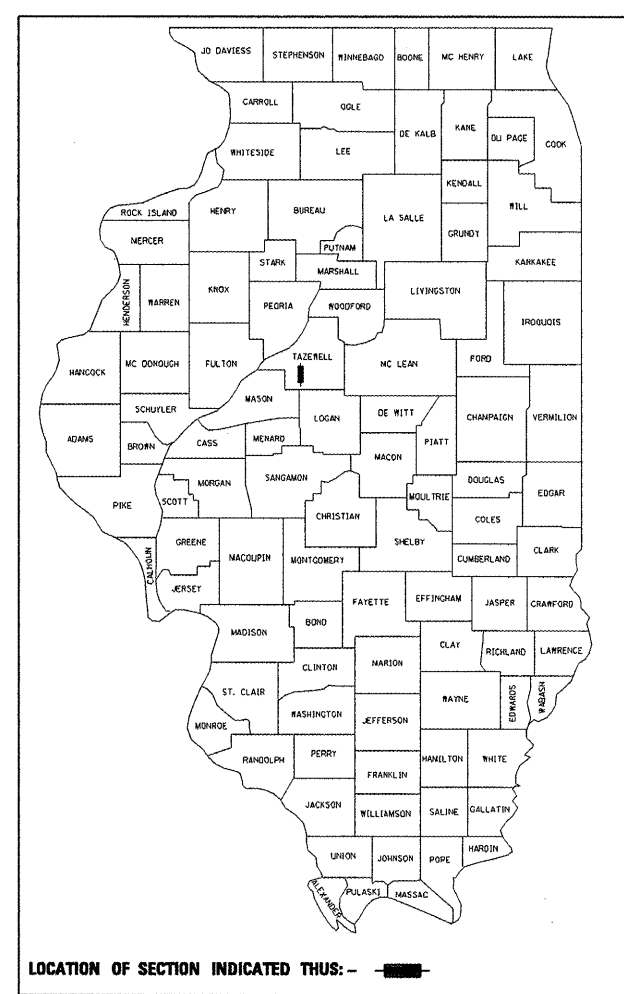
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.S. ROUTE 477
SECTION 108B-1-2
PROJECT ACBHS-0477(003)
TAZEWELL COUNTY
C-94-076-05

FOR INDEX OF SHEETS AND IDOT HIGHWAY
STANDARDS, SEE SHEET NO. 2

D-94-067-05



LOCATION OF SECTION INDICATED THIS: - [Black bar] -

ADT = 75 (2003)
% SU = NOT AVAILABLE
% MU = NOT AVAILABLE
TOWNSHIP: HOPEDALE
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR

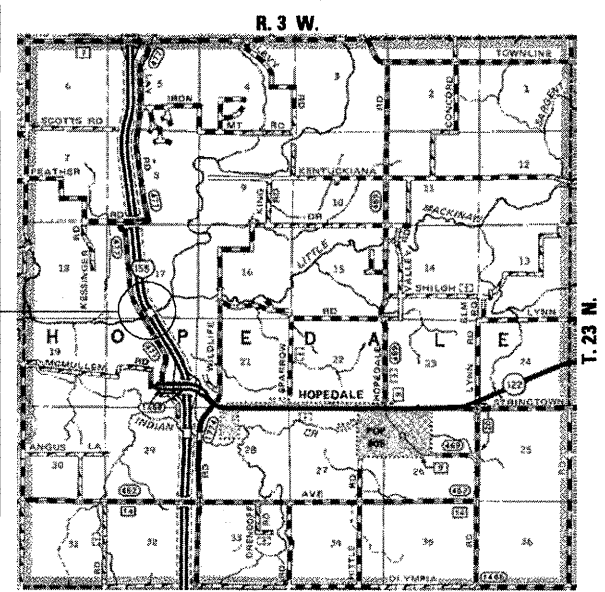
**SUPERSTRUCTURE REPLACEMENT
OVER MACKINAW RIVER**

PROPOSED PROJECT BEGINS
-STA. 663 + 75

PROPOSED PRECAST PRESTRESSED
CONCRETE DECK BEAM SUPERSTRUCTURE
REPLACEMENT ON EXISTING TEN SPAN SUBSTRUCTURE
671'-0" BK-BK ABUTMENTS,
24'-0" CLEAR DECK WIDTH WITH
STEEL BRIDGE RAIL, TYPE S1, 0° SKEW
S.N. 090-0087
℄ -STA. 667 + 55.00

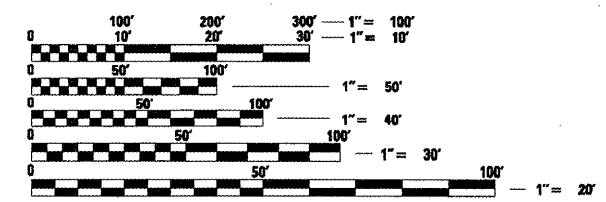
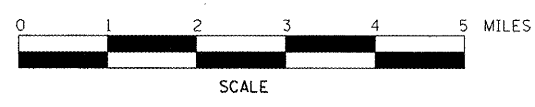
TRUSS OMISSION
-STA. 667 + 73.00 TO STA. 669 + 49.50

PROPOSED PROJECT ENDS
-STA. 672 + 75.25



LOCATION MAP

NET LENGTH OF PROJECT = 900.25 FEET = 0.171 MILES
NET LENGTH OF IMPROVEMENT = 723.75 FEET = 0.137 MILES

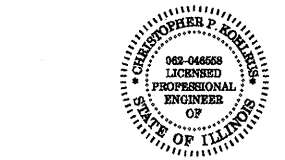


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: RICH DOTSON (309) 671-3455
CATALOG NO. 033066-00D
CONTRACT NO. 68485

QC / QA CONCRETE



Christopher P. Kohler 3/17/08
EXPIRATION DATE: 11/30/09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *RM* *2008*

DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER
May 9, 2008
Eric E. Harm
Interim ENGINEER OF DESIGN AND ENVIRONMENT
May 9, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

INDEX OF SHEETS

| | |
|---------|---|
| 1 | TITLE SHEET |
| 2 | GENERAL NOTES, UTILITIES & MIXTURE REQUIREMENTS |
| 3 | SUMMARY OF QUANTITIES |
| 4 | TYPICAL ROADWAY SECTIONS & SCHEDULES |
| 5 | DETAILS |
| 6 - 7 | PLAN & PROFILE |
| 8 - 27 | STRUCTURE PLANS |
| 28 - 29 | CROSS SECTIONS |
| | STANDARDS |

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

| | |
|------------------|----------------------|
| 000001-05 | 701011-01 |
| 280001-04 | 701201-02 |
| 353001-04 | 701301-02 |
| 542401 | 701311-02 |
| 609001-03 | 701901 |
| 630001-07 | 704001-03 |
| 630301-04 | 780001-01 |
| 631032-03 | 781001-02 |
| 635006-02 | BLR 21-7 |
| 635011-01 | BLR 23-2 |
| 701006-02 | BLR 27 |
| 515001-02 | |

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS, (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

ENGINEERS FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (i) AND 670.04 (e); ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HOT MIX ASPHALT SURFACE COURSE.

NAME PLATE RELOCATION ON METAL PLATE BRIDGE RAIL

NAME PLATES THAT WILL BE REMOVED AS A RESULT OF THIS WORK SHALL BE RELOCATED ON THE METAL PLATE BRIDGE RAIL OR CONCRETE PARAPET WALL AS DIRECTED BY THE ENGINEER. THE COST OF REMOVING AND REPLACING THE NAME PLATES, INCLUDING ALL NECESSARY FASTENERS, WILL NOT BE MEASURED OR PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT.

COMMITMENTS:

IN WRITING.

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING PERSONS 14 DAYS PRIOR TO CLOSURE:

BILL BAKER, HOPEDALE TOWNSHIP SUPERVISOR
PHONE: 309-241-3919

HOPEDALE FIRE DEPARTMENT
PHONE: 309-449-5435

DOUG GODBE, TAZEWELL COUNTY FARM BUREAU
PHONE: 309-347-3165

TAZEWELL COUNTY SHERIFF
PHONE: 309-346-4141

UNITED STATES POST OFFICE

LOCAL SCHOOL DISTRICT

ANY OTHER CONTACTS DEEMED NECESSARY BY THE RESIDENT ENGINEER

PROJECT SPECIFIC NOTES

- 1.) THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 2.) EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3.) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 4.) SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDDED SHALL BE DETERMINED BY THE ENGINEER AND SEEDDED AS SOON AS POSSIBLE.
- 5.) ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1/2" UNLESS UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- 6.) UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 7.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 8.) ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 9.) IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 10.) THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- 11.) THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND IS INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- 12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- 13.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- 14.) THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS (PH: 309-671-4460)
- 15.) ANY EARTH EXCAVATION REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR FURNISHED EXCAVATION.
- 16.) PRIOR TO ANY EXCAVATION OR GUARDRAIL INSTALLATION THE CONTRACTOR SHALL CONTACT RANDY LANINGA OF DISTRICT 4 BUREAU OF OPERATIONS (PHONE: 309-671-4477) FOR LOCATION OF IDOT UTILITIES SUCH AS PAVEMENT SENSORS.


MIXTURE REQUIREMENTS

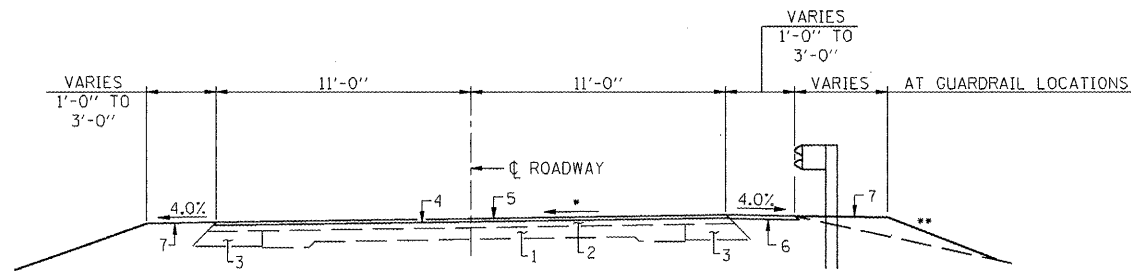
| MEASURE USE(S) | POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 |
|---------------------|--|
| AC/PG | SBS OR SBR 70-22 |
| MAX. RAP % | 10 |
| DESIGN AIR VOIDS | 4.0% @ N DESIGN = 50 |
| MIXTURE COMPOSITION | IL 9.5 OR 12.5 |
| FRICTION AGGREGATE | MIX D |

* IF THE RAP OPTIONS SELECTED THE ASPHALT CEMENT GRADE MAY BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

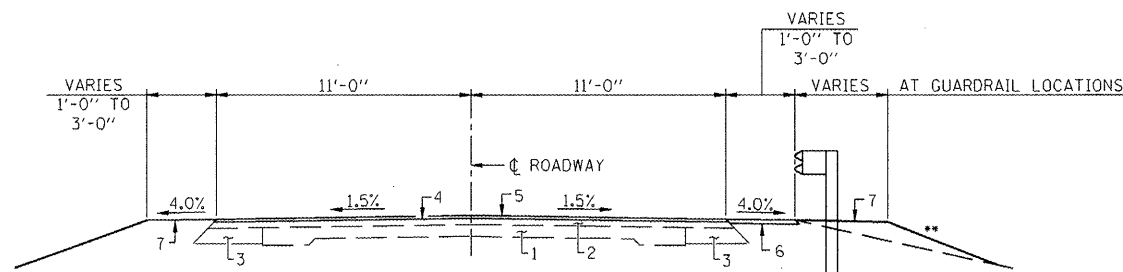
| | |
|--|-----------------------------------|
| HOT MIX ASPHALT MATERIALS (PRIME COAT) | 0.00038 TON/SQ. YD. (ON PAVEMENT) |
| HOT MIX ASPHALT MATERIALS (PRIME COAT) | 0.001425 TON/SQ.YD. (ON AGG) |
| HOT MIX ASPHALT SURFACE / BINDER | 0.056 TON/SQ. YD. PER 1" |
| AGGREGATE MATERIAL | 2.05 TON/CU. YD. |
| RIPRAP | 1.35 TON/CU. YD. |
| NITROGEN FERTILIZER NUTRIENT | 90 LBS./ACRE |
| PHOSPHOROUS FERTILIZER NUTRIENT | 90 LBS./ACRE |
| POTASSIUM FERTILIZER NUTRIENT | 90 LBS./ACRE |
| AGGREGATE PRIME COAT | 0.002 TON/SQ. YD. |

| | | | | | | | | | | | | |
|-------------|----------------------|------------|-----------|--|----------------------|--------------------------|-------------------------------|---|----------|----------|--------------|-----------|
| FILE NAME = | USER NAME = #USER# | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8083 IL Design Firm No. 184-001907 | GENERAL NOTES | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| #FILES# | | DRAWN - | REVISED - | | SCALE: NONE | SHEET NO. 2 OF 29 SHEETS | STA. 663+75 TO STA. 672+75.25 | 477 | 108B-1-2 | TAZEWELL | 29 | 2 |
| | PLOT SCALE = #SCALE# | CHECKED - | REVISED - | | | | | CONTRACT NO. 68485 | | | | |
| | PLOT DATE = #DATE# | DATE - | REVISED - | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



PROPOSED CROSS SECTION
(STA. 663+75 TO STA. 664+50)

* VARIES FROM S.E. = 0.015"/' AT STA. 663+75 TO FULL CROWN AT STA. 664+50.



PROPOSED CROSS SECTION
(STA. 664+50 TO STA. 672+75.25
BRIDGE OMISSION STA. 664+54.75
TO STA. 671+25.75)

** VARIES 2:1 MAX. BEHIND GUARDRAIL

PAVEMENT LEGEND

1. EXISTING 9-6-9 PAVEMENT
2. EXISTING 3" BITUMINOUS OVERLAY
3. EXISTING HOT MIX ASPHALT WIDENING
4. PROPOSED HOT MIX SURFACE REMOVAL (BUTT JOINT)
5. PROPOSED POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2")
6. PROPOSED AGGREGATE SHOULDER, TYPE B (2")
7. PROPOSED GRADING AND SHAPING SHOULDERS (FURNISHED EXCAVATION)

EARTHWORK SCHEDULE

| LOCATION | EARTH EXCAVATION | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
|---|------------------|---|------------|---|
| | CU. YD. | CU. YD. | CU. YD. | CU. YD. |
| STA. 663+75 TO STA. 664+54.25 | 0 | 0 | 51 | -51 |
| BRIDGE OMISSION STA. 664+54.25 TO 671+25.25 | | | | |
| STA. 671+25.25 TO STA. 672+75.25 | 0 | 0 | 79 | -79 |
| TOTAL | 0 | 0 | 130 | -130 |

HOT MIX ASPHALT SCHEDULE

| LOCATION | POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (TON) | BITUMINOUS MATERIALS (PRIME COAT) (TON) | HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ. YD.) |
|----------------------------------|--|---|--|
| STA. 663+75 TO STA. 664+00 | | | 61 |
| STA. 663+75 TO STA. 667+73 | 109.5 | 0.40 | |
| STA. 669+49.50 TO STA. 672+75.25 | 89.5 | 0.32 | |
| STA. 671+25.25 TO STA. 672+75.25 | | | 367 |
| TOTAL | 199 | 0.72 | 428 |

PERMANENT SEEDING SCHEDULE

| LOCATION | SEEDING CLASS 2 (ACRE) | NITROGEN RET. NUT. (POUND) | PHOSPHORUS FERT. NUT. (POUND) | POTASSIUM FERT. NUT. (POUND) | TEMPORARY EROSION CONTROL SEEDING (POUND) |
|----------------------------------|------------------------|----------------------------|-------------------------------|------------------------------|---|
| STA. 663+75 TO STA. 664+54.25 | 0.1 | 9 | 9 | 9 | 10 |
| STA. 671+25.25 TO STA. 672+75.25 | 0.1 | 9 | 9 | 9 | 10 |
| TOTAL | 0.2 | 18 | 18 | 18 | 20 |

SCHEDULE AGGREGATE SHOULDERS, TYPE B

| LOCATION | QUANTITY (TON) |
|----------------------------------|----------------|
| STA. 663+75 TO STA. 664+54.25 | 1 |
| F.E. STA. 664+02 LT. | 17.5 |
| F.E. STA. 664+02 RT. | 11.5 |
| STA. 671+25.25 TO STA. 672+75.25 | 9 |
| TOTAL | 39 |

GUARDRAIL SCHEDULE

| LOCATION | TRAFFIC BARRIER TERMINAL, TYPE 1 (EACH) | TRAFFIC BARRIER TERMINAL, TYPE 5A (EACH) | GUARDRAIL REMOVAL (FOOT) |
|---|---|--|--------------------------|
| STA. 664+14 TO STA. 664+54.25 LT. & RT. | | | 82 |
| STA. 664+24 TO STA. 664+54.25 LT. & RT. | 2 | 2 | |
| STA. 671+25.25 TO STA. 671+56.5 LT. & RT. | 2 | 2 | |
| STA. 671+25.25 TO STA. 672+00 LT. & RT. | | | 150 |
| TOTAL | 4 | 4 | 232 |

PAVEMENT MARKING SCHEDULE

| LOCATION | PAVEMENT MK. REMOVAL | | PAINT PVMT. MK. LINE - 4" | |
|--|----------------------|----------------------------|---------------------------|-------------------------|
| | WHITE (SQ. FT.) | YELLOW SKIP DASH (SQ. FT.) | WHITE (FOOT) | YELLOW SKIP DASH (FOOT) |
| STA. 663+75 TO STA. 672+75.25 LT. (EDGE) | | | 901 | |
| STA. 663+75 TO STA. 672+75.25 C | | | | 230 |
| STA. 663+75 TO STA. 672+75.25 RT. (EDGE) | | | 901 | |
| STA. 667+73 TO STA. 669+49.50 LT. (EDGE) | 59 | | | |
| STA. 667+73 TO STA. 669+49.50 C | | 16 | | |
| STA. 667+73 TO STA. 669+49.50 RT. (EDGE) | 59 | | | |
| SUB TOTAL | 118 | 16 | 1802 | 230 |
| TOTAL | 118 | 16 | 1802 | 230 |

SCHEDULE PERIMETER EROSION BARRIER

| LOCATION | QUANTITY (FOOT) |
|--|-----------------|
| STA. 671+25 TO STA. 672+75 40' LT. & RT. | 300 |
| TOTAL | 300 |

SCHEDULE CHANGEABLE MESSAGE SIGN

| LOCATION | QUANTITY (WEEK) |
|--------------|-----------------|
| JOBSITE * | 2 |
| TOTAL | 2 |

* 1 MESSAGE BOARD SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TWO WEEKS PRIOR TO CLOSURE.

| | | | |
|-------------|----------------------|------------|-----------|
| FILE NAME = | USER NAME = #USER# | DESIGNED - | REVISED - |
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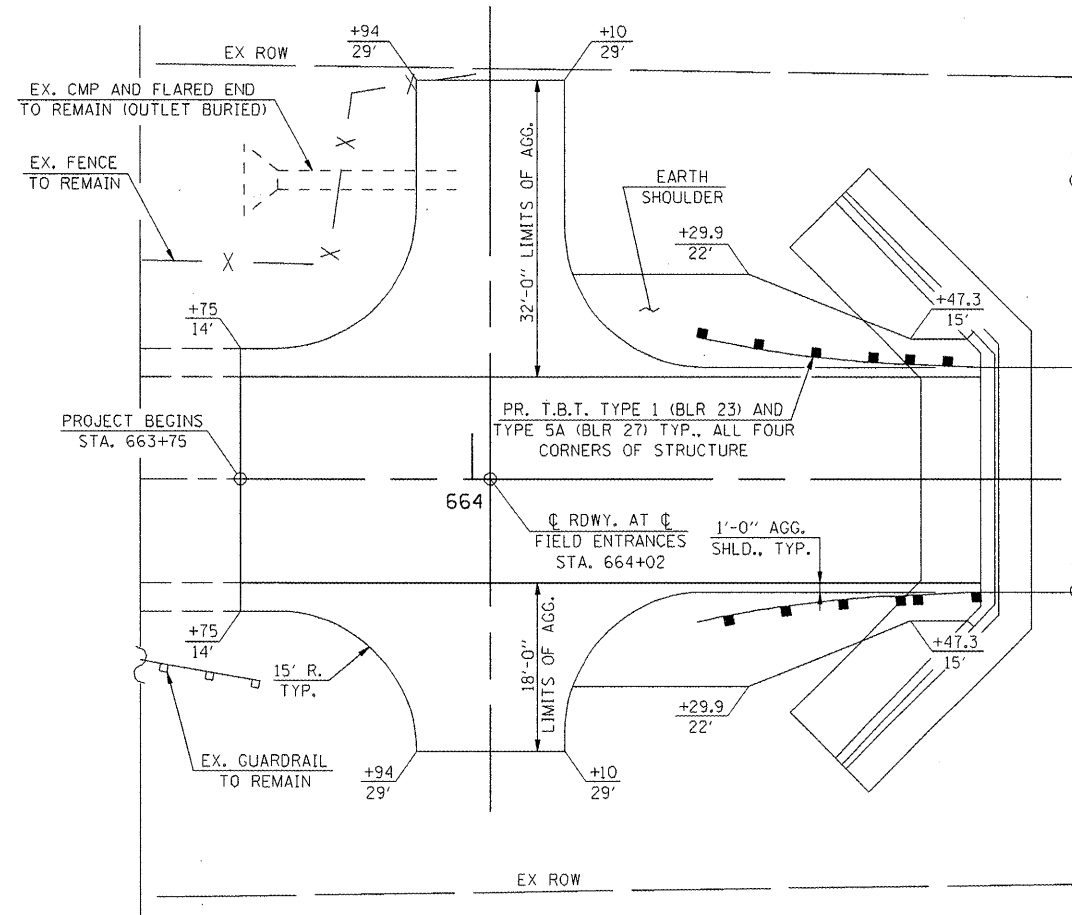


Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

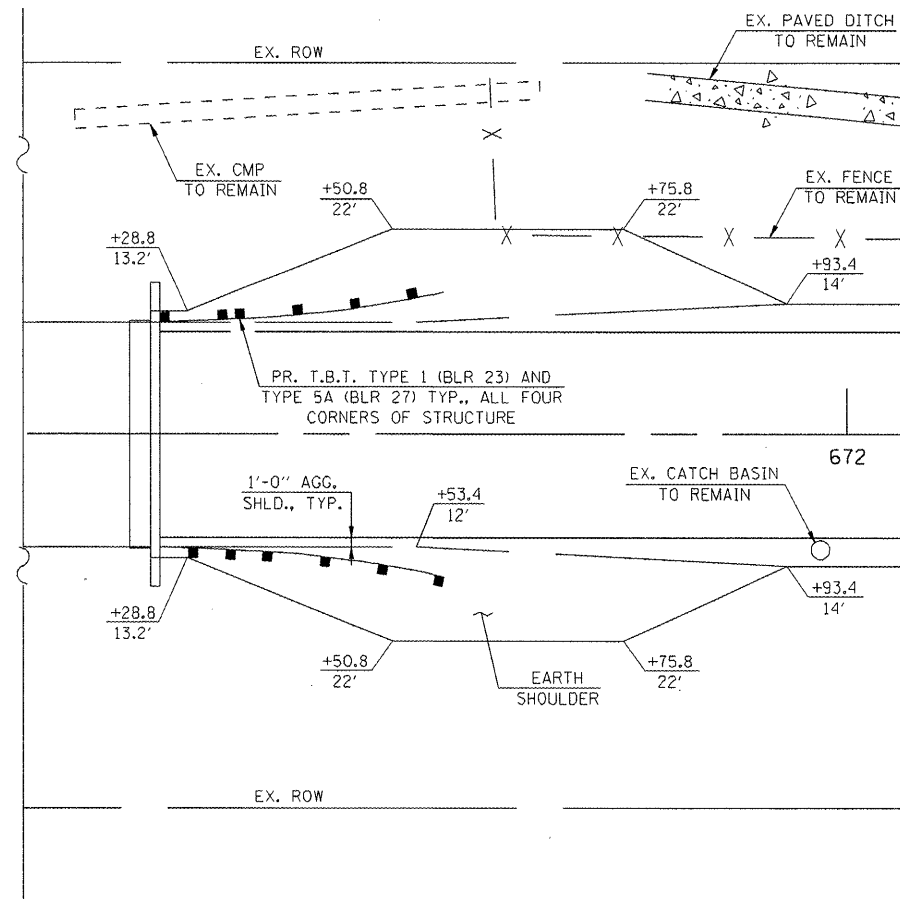
TYPICAL ROADWAY SECTIONS & SCHEDULES

SCALE: SHEET NO. 4 OF 29 SHEETS STA. 663+75 TO STA. 672+75.25

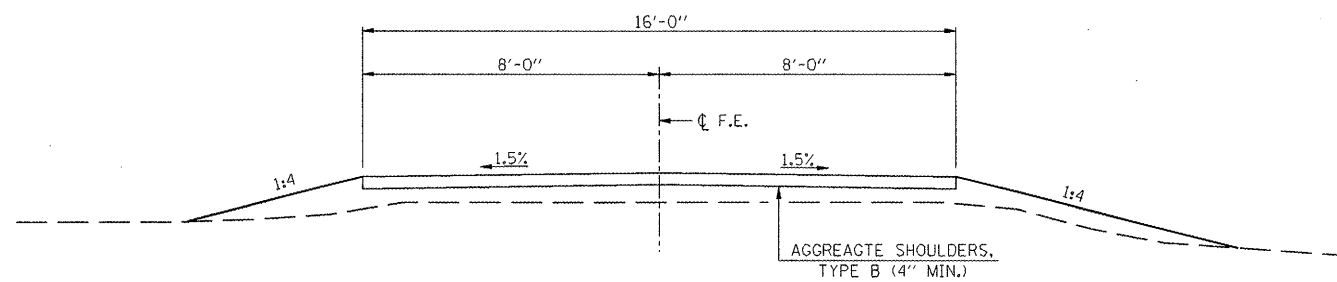
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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 477 | 108B-1-2 | TAZEWELL | 29 | 4 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | CONTRACT NO. 68485 | |



FIELD ENTRANCE PLAN
(STA. 664+02)



SHOULDER DETAIL
(STA. 671+50)



TYPICAL ENTRANCE SECTION
(STA. 664+02)

| | | | |
|-------------|--------------------|------------|-----------|
| FILE NAME = | USER NAME = #USER# | DESIGNED - | REVISED - |
| #FILES# | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

| | | |
|----------------------|-----------|-----------|
| PLOT SCALE = #SCALE# | CHECKED - | REVISED - |
| PLOT DATE = #DATE# | DATE - | REVISED - |

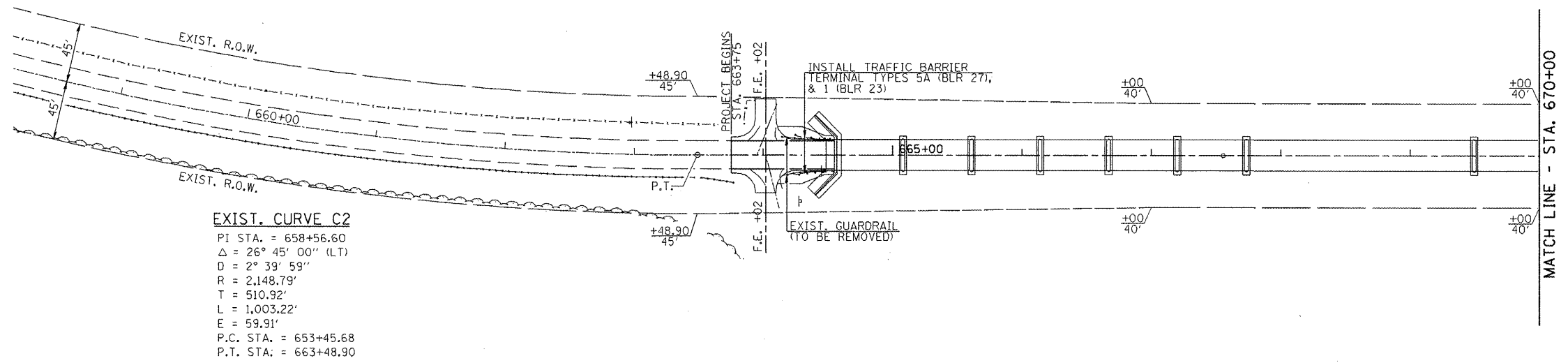
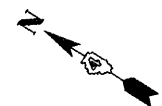


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62703 Phone: (217)544-8033 IL Design Firm
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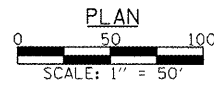
| | | | |
|---------|-----------|-----------|--------------|
| DETAILS | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|---|----------|----------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 477 | 108B-1-2 | TAZEWELL | 29 | 5 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68485 | |

SECTION 17, T 23 N. R. 3 W. 3rd P.M.

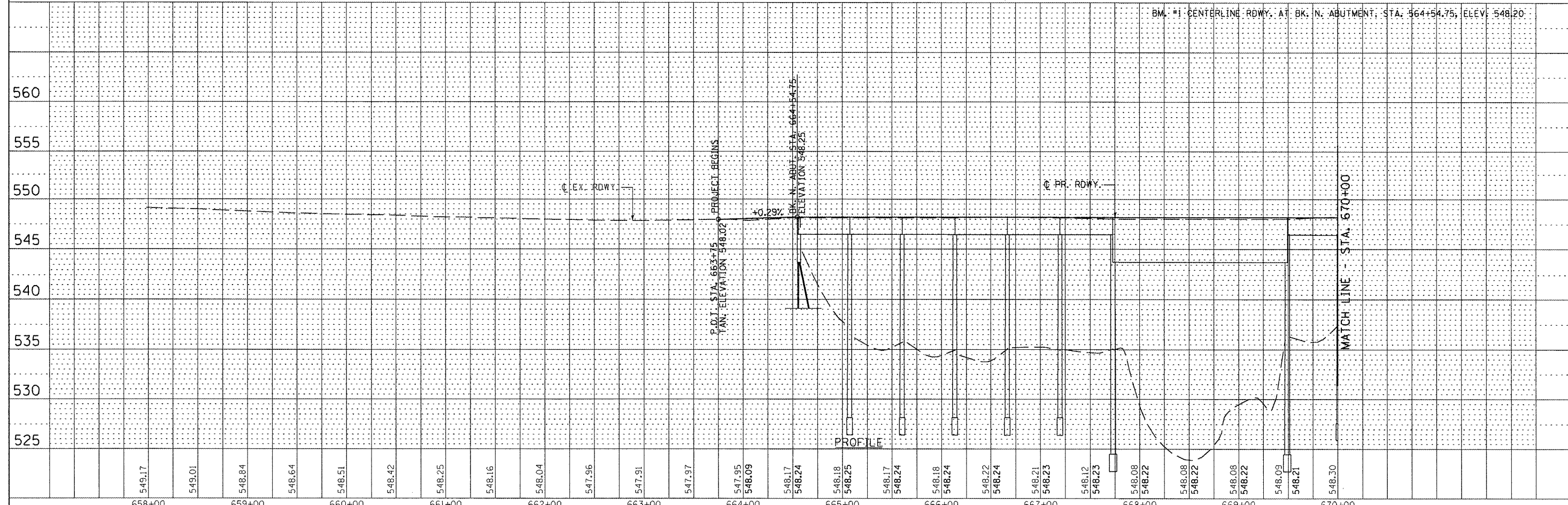


EXIST. CURVE C2
 PI STA. = 658+56.60
 Δ = 26° 45' 00" (LT)
 D = 2° 39' 59"
 R = 2,148.79'
 T = 510.92'
 L = 1,003.22'
 E = 59.91'
 P.C. STA. = 653+45.68
 P.T. STA. = 663+48.90



| | | | |
|------|---------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | CHECKED | | |
| | INT. OF WAY CHECKED | | |
| | NO. FILE NAME | | |

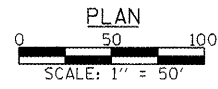
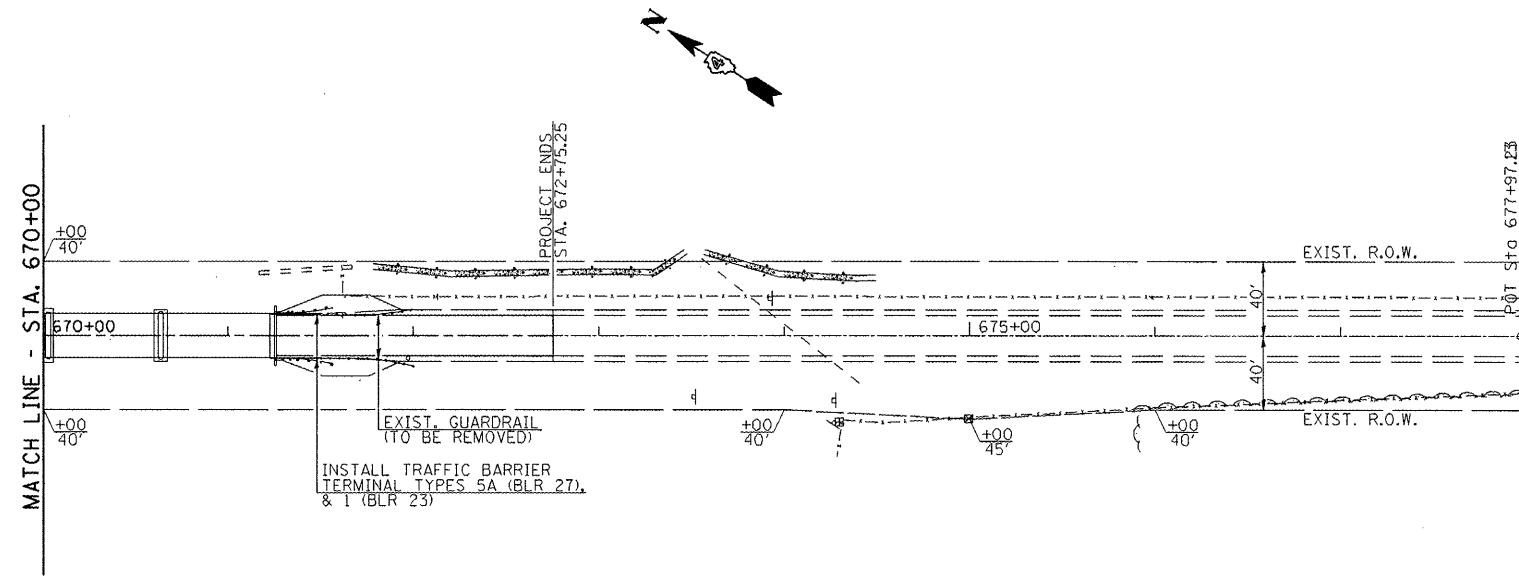
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| | PLOTTED | | |
| | CHECKED | | |
| | STRUCTURE NOTATIONS CHKD | | |
| | NO. | | |



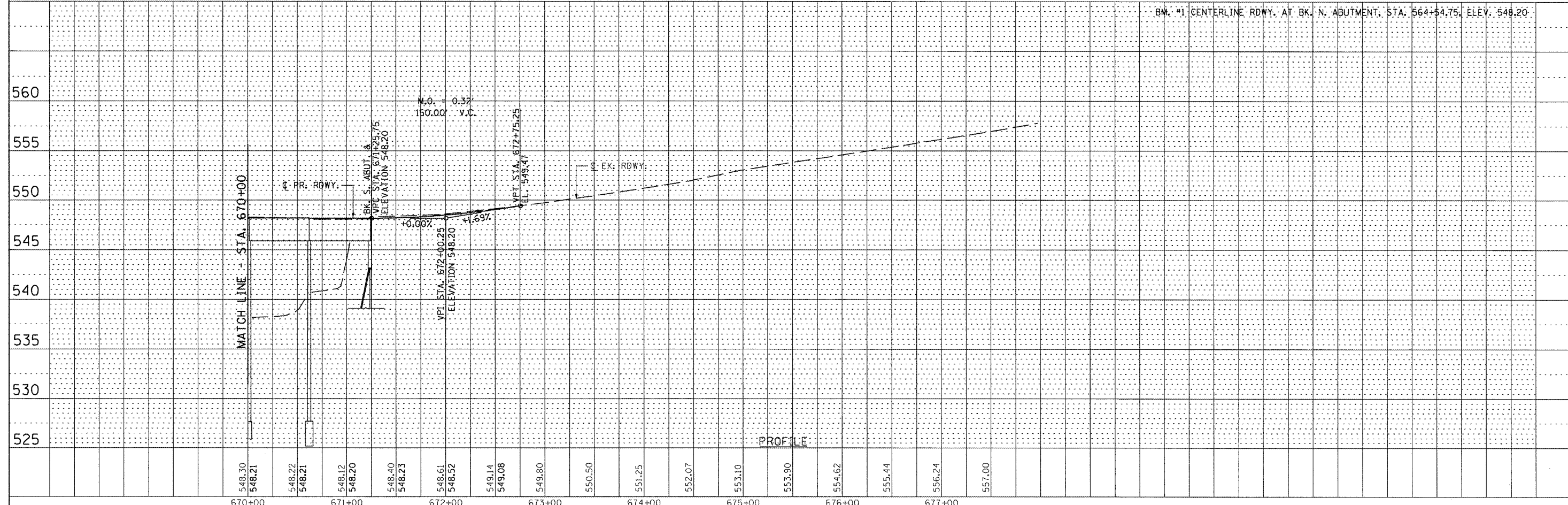
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|----------------------|--------------------|------------|---|---|---|--|-------------|----------|--------|--------------|-----------|
| FILE NAME - | USER NAME - #USER* | DESIGNED - | REVISED - | <p>Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907</p> | <p align="center">PLAN & PROFILE</p> SCALE: SHEET NO. OF SHEETS STA. TO STA. | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| #FILES* | CHECKED - | REVISED - | 477 | | | | 108B-1-2 | TAZEWELL | 29 | 6 | |
| PLOT SCALE - #SCALE* | DRAWN - | REVISED - | CONTRACT NO. 68485 | | | | | | | | |
| PLOT DATE - #DATE* | CHECKED - | REVISED - | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | |


SECTION 20, T 23 N. R. 3 W. 3rd P.M.

| | |
|-----------|------|
| PLAN | DATE |
| BY | |
| REVIEWED | |
| PLANNED | |
| NOTED | |
| NO. _____ | |
| FILE NAME | |



| | |
|-----------|------|
| PROFILE | DATE |
| BY | |
| REVIEWED | |
| PLANNED | |
| NOTED | |
| NO. _____ | |
| FILE NAME | |



| | | | | | | | | | | | |
|-------------|----------------------|------------|-----------|---|---------------------------|---------------------|-----------------|--------------------|-----------------|---|-------------|
| FILE NAME = | USER NAME = #USER# | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | PLAN & PROFILE | | F.A.S. RTE. 477 | SECTION 108B-1-2 | COUNTY TAZEWELL | TOTAL SHEETS 29 | SHEET NO. 7 |
| #FILES# | PLOT SCALE = #SCALE# | CHECKED - | REVISED - | | SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. TO STA. | CONTRACT NO. 68485 | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | |
| | PLOT DATE = #DATE# | CHECKED - | REVISED - | | | | | | | | |
| | | | | | | | | | | | |

Benchmark: Centerline Rdwy. at Bk. N. Abutment, Sta. 664+54.75, Elev. 548.20
 Existing Structure: Built as SBI Route 121 - Sec. 108 B & C in 1932 Sta. 667+55
 SBI Route 121 - Sec. 108 B-I in 1970 Sta. 667+55
 FAI-155 (Frontage Road) Sec. 108 C-1 in 1993 Sta. 667+55
 SBI Route 121 - Sec. 108 B-I in 1998 Sta. 667+55.

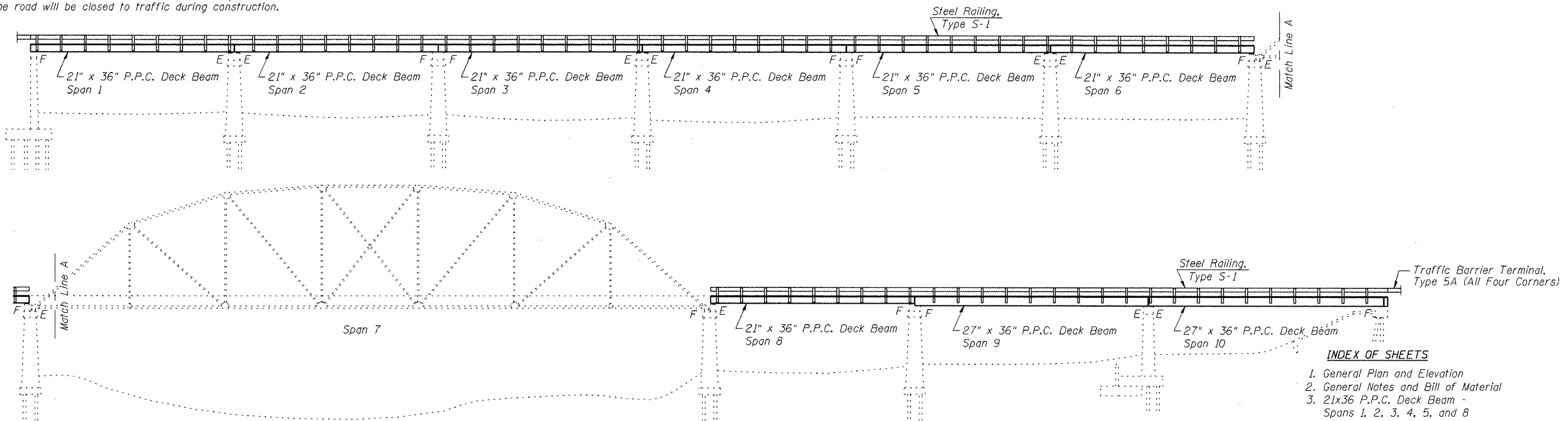
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|------|-------|-----------|
| ROUTE NO. | SECTION | COUNTY | DATE | SHEET | SHEET NO. |
| F.A.P. 744 | 108B-I-2 | TAZEWELL | 29 | 8 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 68485

Proposed Improvement: Existing P.P.C. Deck Beams are to be removed and replaced and the substructure repaired. The road will be closed to traffic during construction.

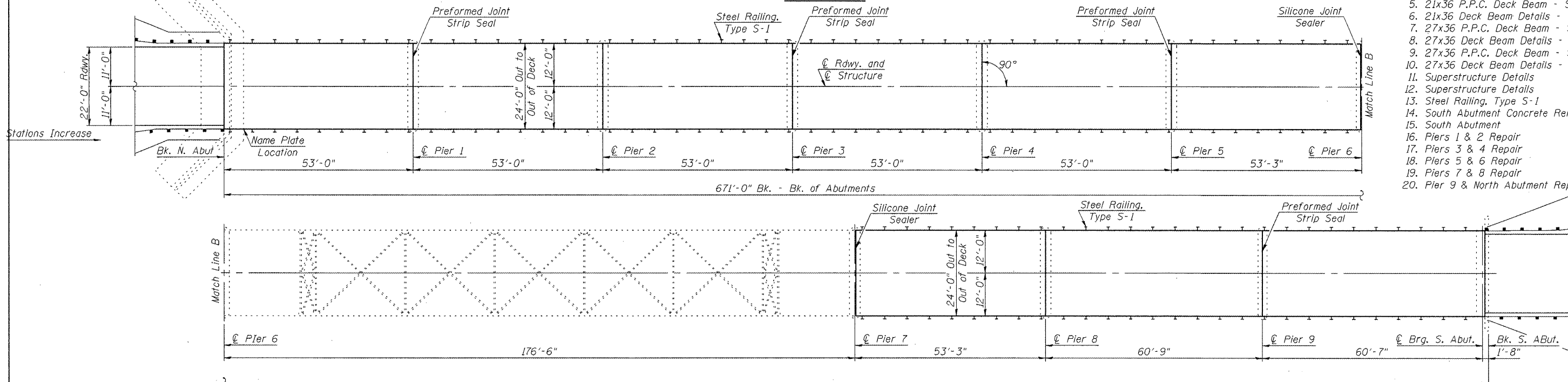
No Salvage.



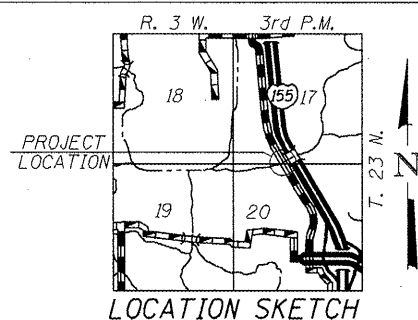
INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes and Bill of Material
3. 21x36 P.P.C. Deck Beam - Spans 1, 2, 3, 4, 5, and 8
4. 21x36 Deck Beam Details - Spans 1, 2, 3, 4, 5, and 8
5. 21x36 P.P.C. Deck Beam - Span 6
6. 21x36 Deck Beam Details - Span 6
7. 27x36 P.P.C. Deck Beam - Span 9
8. 27x36 Deck Beam Details - Span 9
9. 27x36 P.P.C. Deck Beam - Span 10
10. 27x36 Deck Beam Details - Span 10
11. Superstructure Details
12. Superstructure Details
13. Steel Railing, Type S-1
14. South Abutment Concrete Removal
15. South Abutment
16. Piers 1 & 2 Repair
17. Piers 3 & 4 Repair
18. Piers 5 & 6 Repair
19. Piers 7 & 8 Repair
20. Pier 9 & North Abutment Repair

ELEVATION



PLAN



STA. 667+55.00
 REBUILT 20 BY
 STATE OF ILLINOIS
 F.A.S. Route 477 SEC. 108B-I-2
 LOADING HL-93
 STRUCTURE NO. 090-0087

NAME PLATE

See Std. 515001
 Attach new name plate to back side of 12" rail element. Existing Name Plate shall be removed, cleaned, and relocated adjacent to new Name Plate. Cost included with Name Plates

GENERAL PLAN AND ELEVATION
 F.A.S. ROUTE 744 (OLD IL 121)
 OVER MACKINAW RIVER
 SECTION 108B-I-2
 TAZEWELL COUNTY
 STATION 667+55.00
 STRUCTURE NO. 090-0087

| | |
|------------|------------------------------------|
| DESIGNED - | 200 |
| CHECKED - | EXAMINED |
| DRAWN - | PASSED |
| CHECKED - | ENGINEER OF BRIDGES AND STRUCTURES |

APPROVED
 For Structural Adequacy Only

Ralph E. Anderson
 Engineer of Bridges & Structures



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|----------------------------|---------------------|--------------------|-------------------|------------|--------------------------|
| ROUTE NO. F.A.P. 744 | SECTION 108B-1-2 | COUNTY TAZEWELL | STATION 29 | SHEET 9 | SHEET NO. 2 20 SHEETS |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT- | | |

Contract # 68485

TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|---------|-------|-------|-------|
| Polymerized Hot Mix Asphalt Surface Course, Mix D, N50 | Ton | 151 | | 151 |
| Removal of Existing Superstructures | Each | 1 | | 1 |
| Concrete Removal | Cu. Yd. | | 2.1 | 2.1 |
| Concrete Structures | Cu. Yd. | | 2.1 | 2.1 |
| P.P.C. Deck Beams (21" Depth) | Sq. Ft. | 8887 | | 8887 |
| P.P.C. Deck Beams (27" Depth) | Sq. Ft. | 2921 | | 2921 |
| Furnishing and Erecting Structural Steel | Pound | 615 | | 615 |
| Stud Shear Connectors | Each | 48 | | 48 |
| Reinforcement Bars Epoxy Coated | Pound | | 220 | 220 |
| Steel Railing, Type S-1 | Foot | 987 | | 987 |
| Name Plates | Each | 1 | | 1 |
| Preformed Joint Strip Seal | Foot | 104 | | 104 |
| Waterproofing Membrane System | Sq. Yd. | 1312 | | 1312 |
| Portland Cement Mortar Fairing Course | Foot | 3386 | | 3386 |
| Epoxy Crack Injection | Foot | | 121.5 | 121.5 |
| Silicone Joint Sealer, 1.5" | Foot | 48 | | 48 |
| Structural Repair of Concrete (Depth Equal to or Less Than 5") | Sq. Ft. | | 688 | 688 |
| Asbestos Bearing Pad Removal | Each | 144 | | 144 |

LOADING HL-93

No Allowance for future wearing surface

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications, 4th Edition

DESIGN STRESSES

FIELD UNITS

$f'c = 3500$ psi
 $f_y = 60000$ psi (Reinforcement)

PRECAST PRESTRESSED UNITS

$f'c = 6000$ psi
 $f'cl = 5000$ psi
 $f_{pu} = 270000$ psi ($\frac{1}{2}$ " ϕ low lax strands)
 $f_{pbt} = 201960$ psi ($\frac{1}{2}$ " ϕ low lax strands)

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The minimum thickness of the hot mix asphalt overlay shall be 1 1/2" and varies as required to adjust for the new profile grade and beam camber.

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60 (IL Modified). See Special Provisions.

The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the conditions of the beams when developing construction procedures for removal and replacement of the superstructure.

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on new deck beams, a detailed procedure shall be submitted to the Engineer for approval.

The procedure shall include calculations sealed by an Illinois

Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with "Removal of Existing Superstructures".

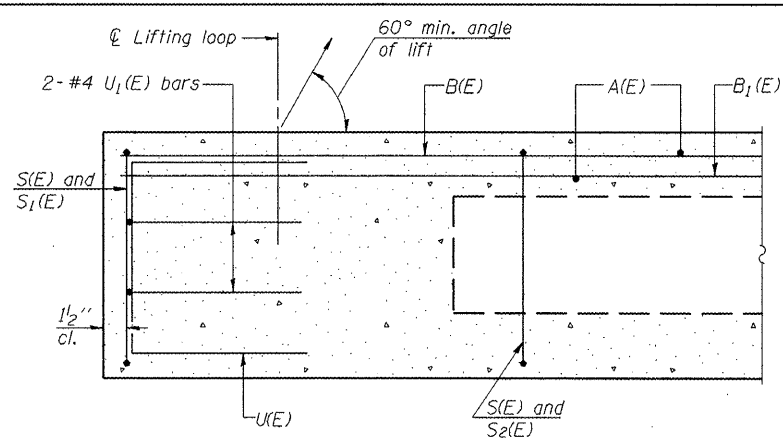
Reinforcement bars designated (E) shall be epoxy coated.

Repair of pier caps and N. Abutment shall be completed prior to placement of the new deck beams.

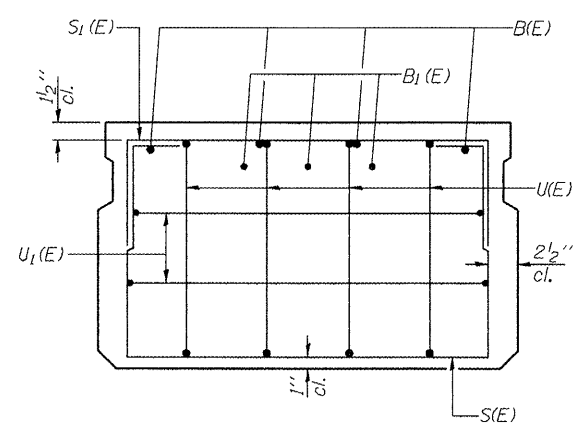
No in-stream work will be allowed on this project.

GENERAL NOTES &
BILL OF MATERIAL
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

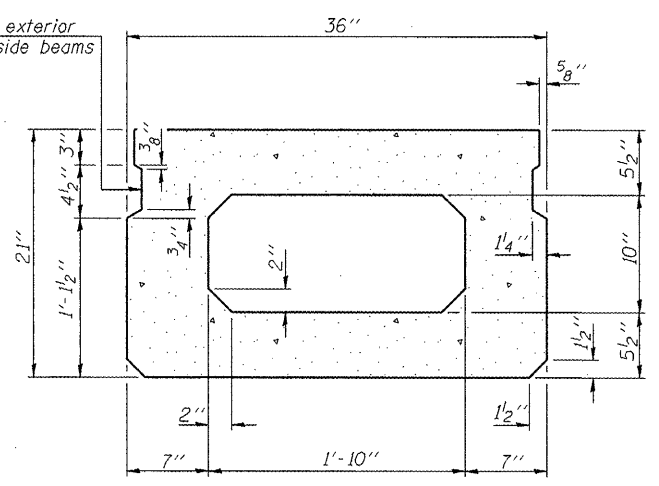
| | |
|------------|------------------------------------|
| DESIGNED - | 200 |
| CHECKED - | EXAMINED |
| DRAWN - | ENGINEER OF BRIDGE DESIGN |
| CHECKED - | ENGINEER OF BRIDGES AND STRUCTURES |



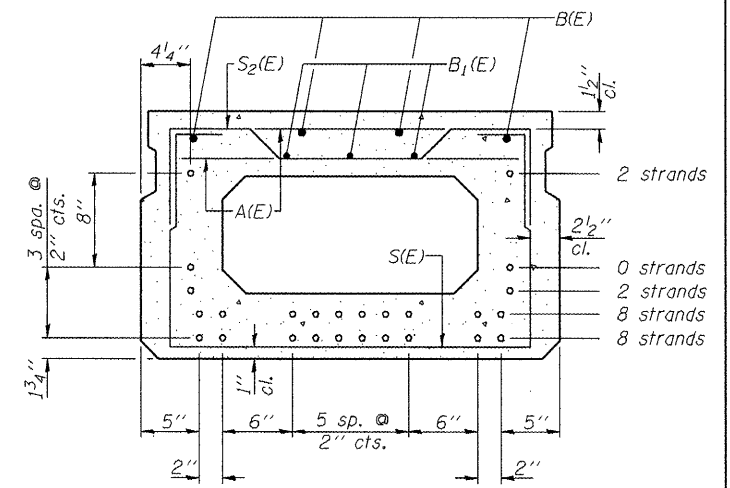
SECTION C-C



VIEW B-B

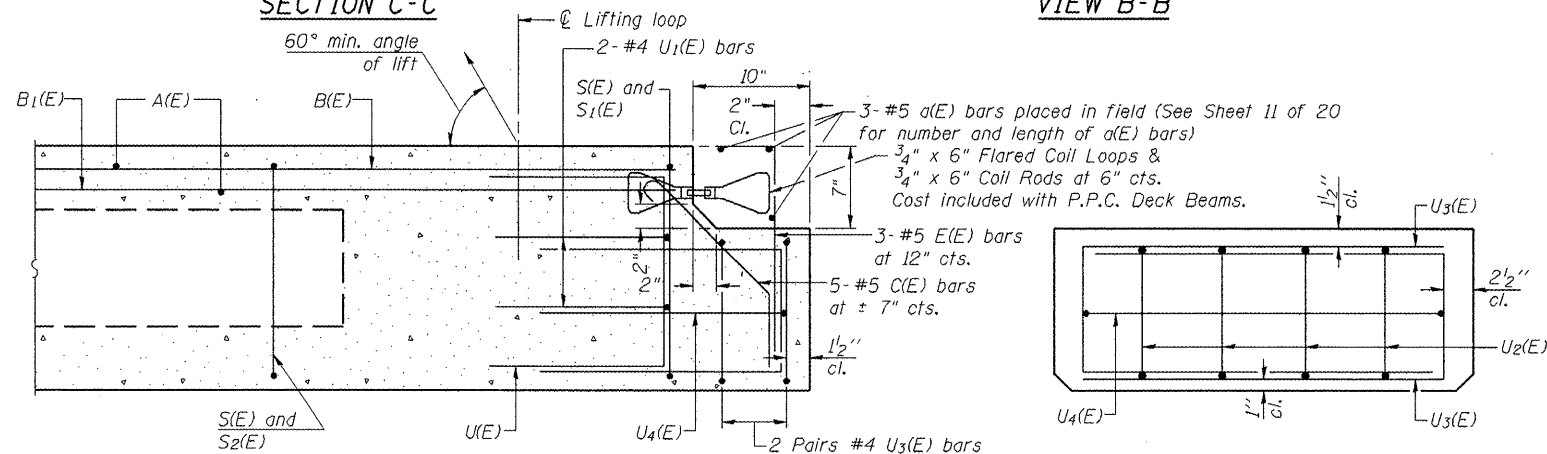


SECTION A-A
(Showing dimensions)



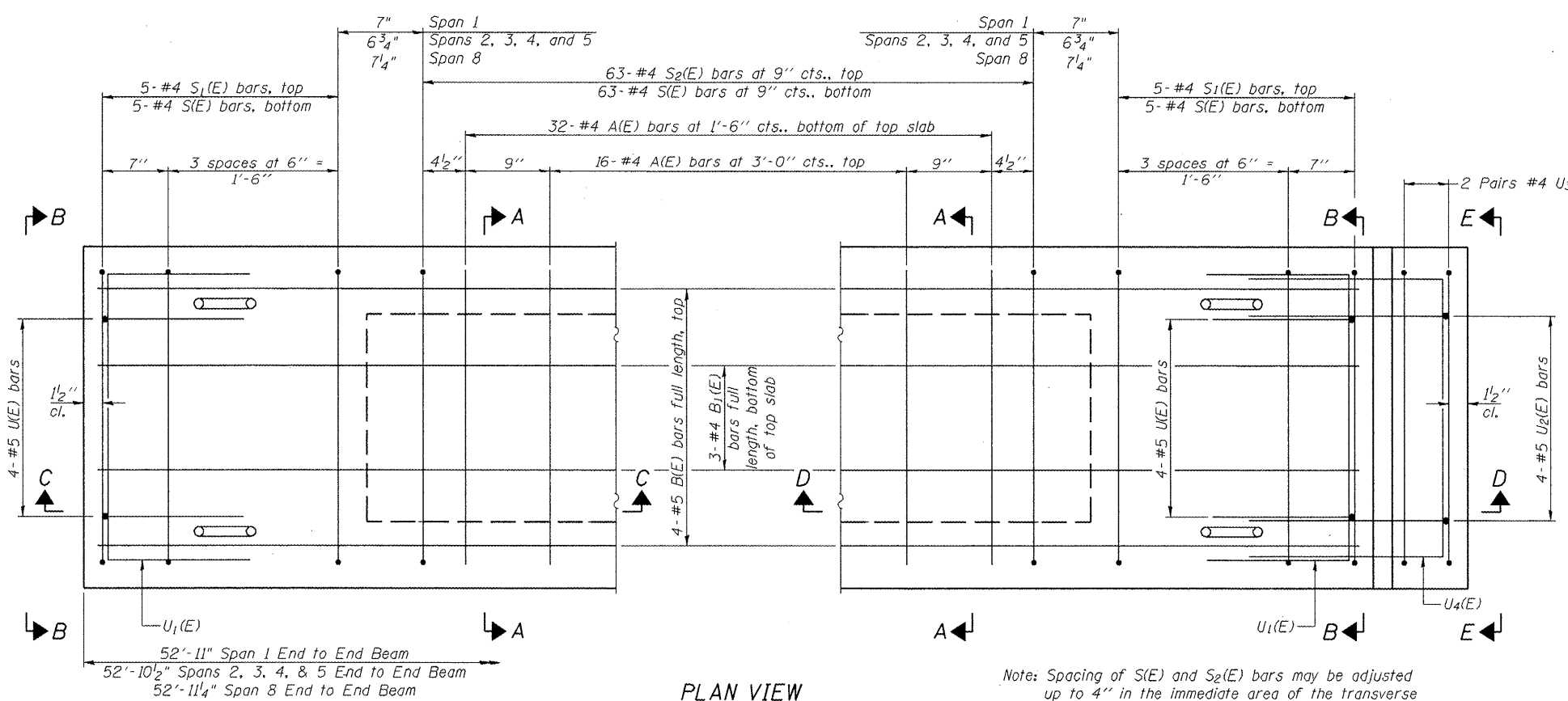
SECTION A-A
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



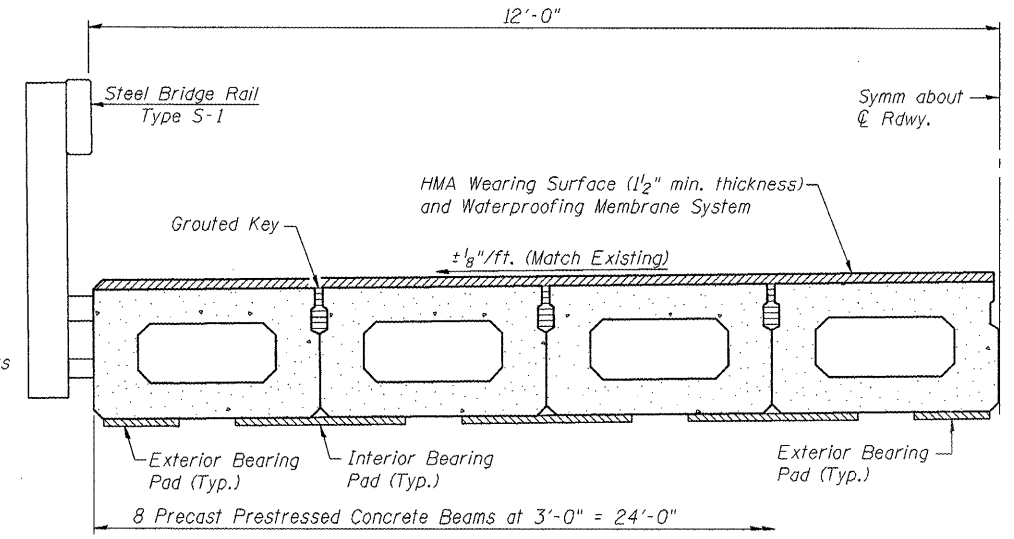
SECTION D-D

VIEW E-E



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



HALF CROSS SECTION

BAR LIST
ONE BEAM ONLY
(For information only)

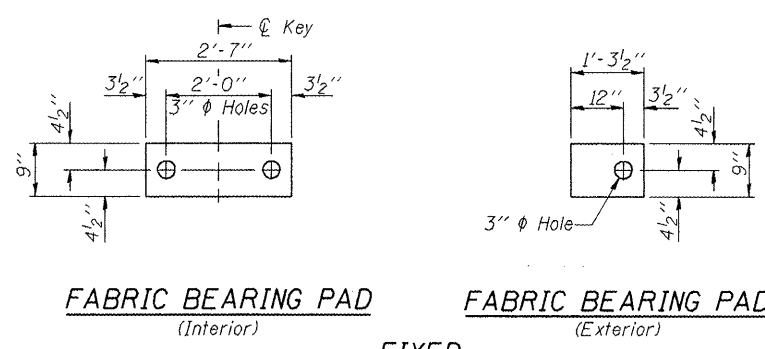
| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 48 | #4 | 2'-7" | — |
| B(E) | 4 | #5 | 51'-9" | — |
| B1(E) | 3 | #4 | 51'-9" | — |
| C(E) | 5 | #5 | 2'-7" | U |
| E(E) | 3 | #5 | 2'-1" | U |
| S(E) | 73 | #4 | 6'-5" | U |
| S1(E) | 10 | #4 | 5'-7" | U |
| S2(E) | 63 | #4 | 5'-10" | U |
| U(E) | 8 | #5 | 4'-0" | U |
| U1(E) | 4 | #4 | 5'-0" | U |
| U2(E) | 4 | #5 | 5'-1" | U |
| U3(E) | 4 | #4 | 6'-0" | U |
| U4(E) | 1 | #4 | 6'-8" | U |

Note: See sheet 4 of 20 for additional details and Bill of Material.

21 x 36 P.P.C. DECK BEAM
SPANS 1, 2, 3, 4, 5, & 8
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

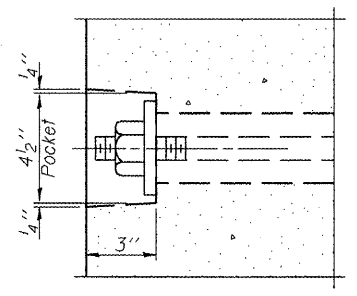
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| ROUTE NO. | SECTION | COUNTY | SHEETS | SHEET | SHEET NO. 4 |
| F.A.P. 744 | 108B-1-2 | TAZEWELL | 29 | 11 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 68485

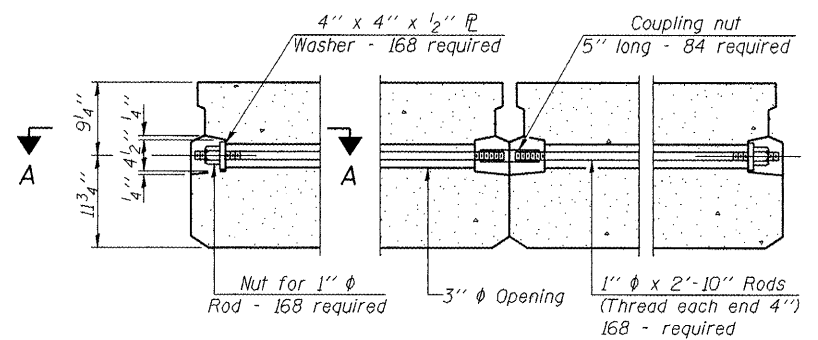


FABRIC BEARING PAD
(Interior) **FIXED**
FABRIC BEARING PAD
(Exterior)

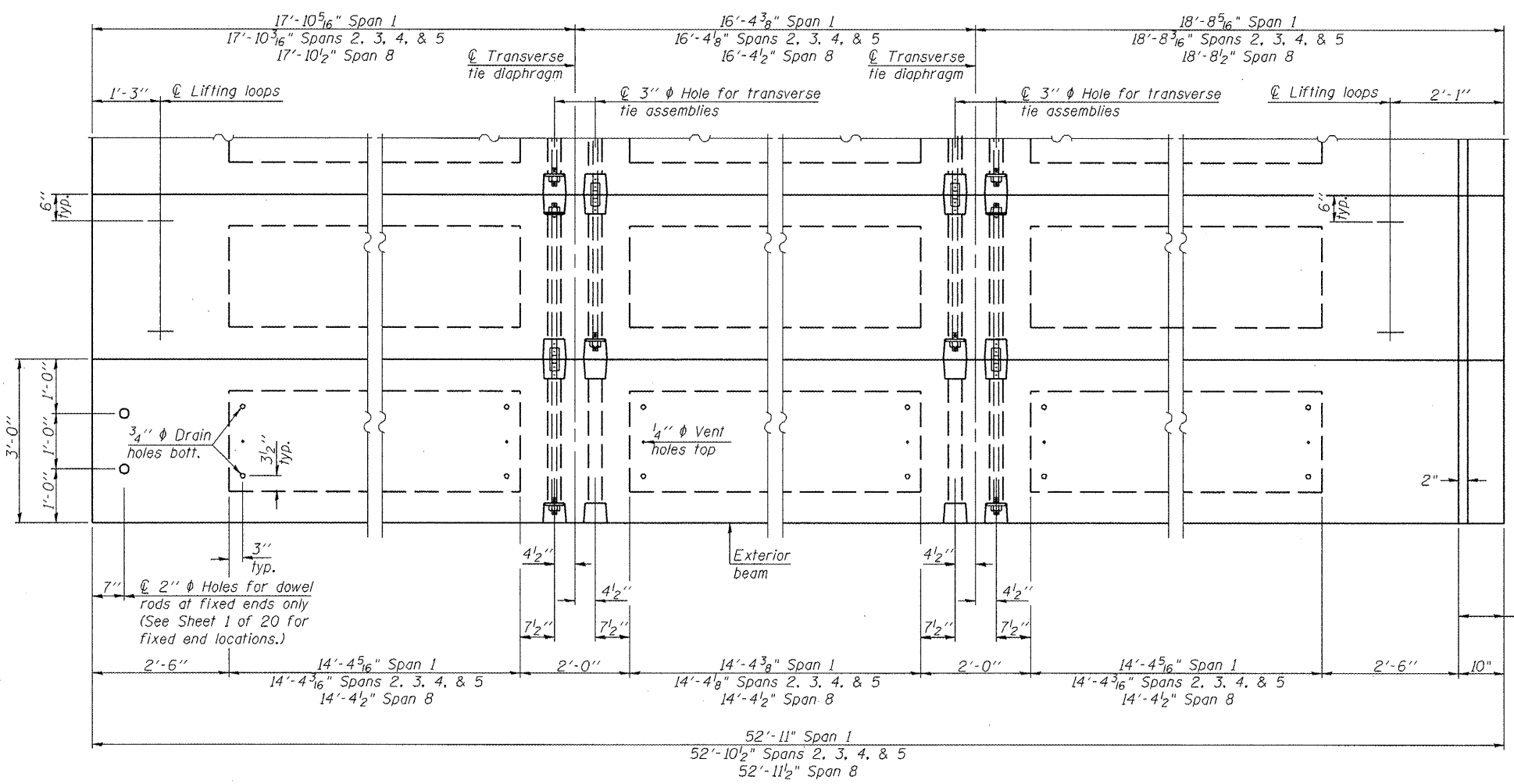
Note: Omit holes when using expansion bearings.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

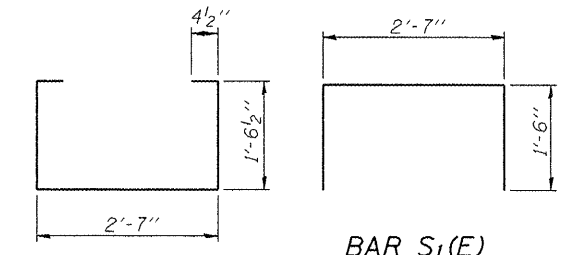


PLAN VIEW

Notes: Connect beams in pairs with the transverse tie configuration shown. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

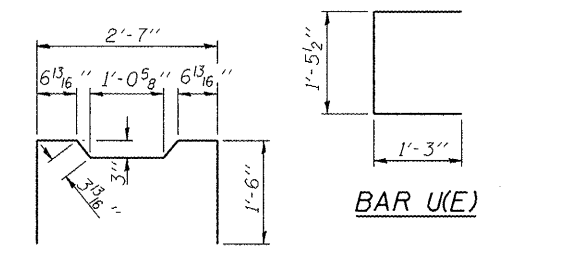
NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to ASTM A 706 (IL MOD), Grade 60. (See Special Provisions) Two 3/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

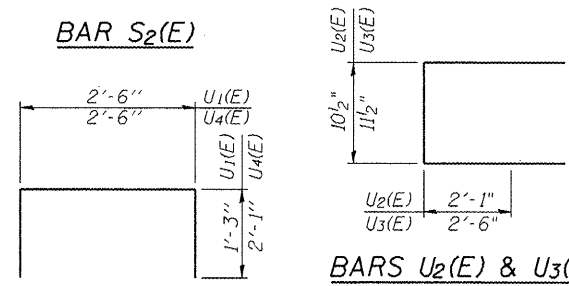


BAR S(E)

BAR S1(E)

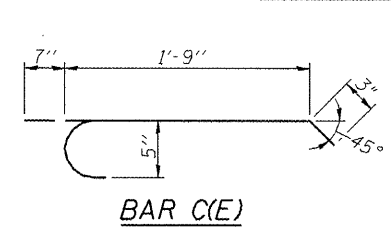


BAR U(E)

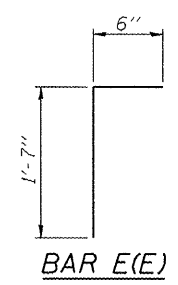


BARS U2(E) & U3(E)

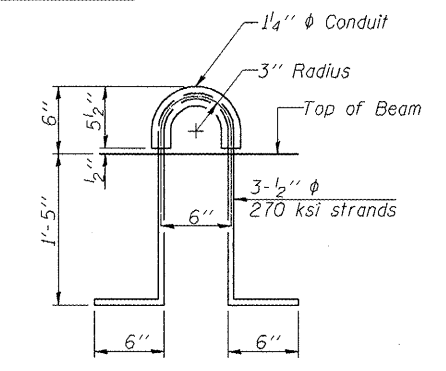
BARS U1(E) & U4(E)



BAR C(E)



BAR E(E)

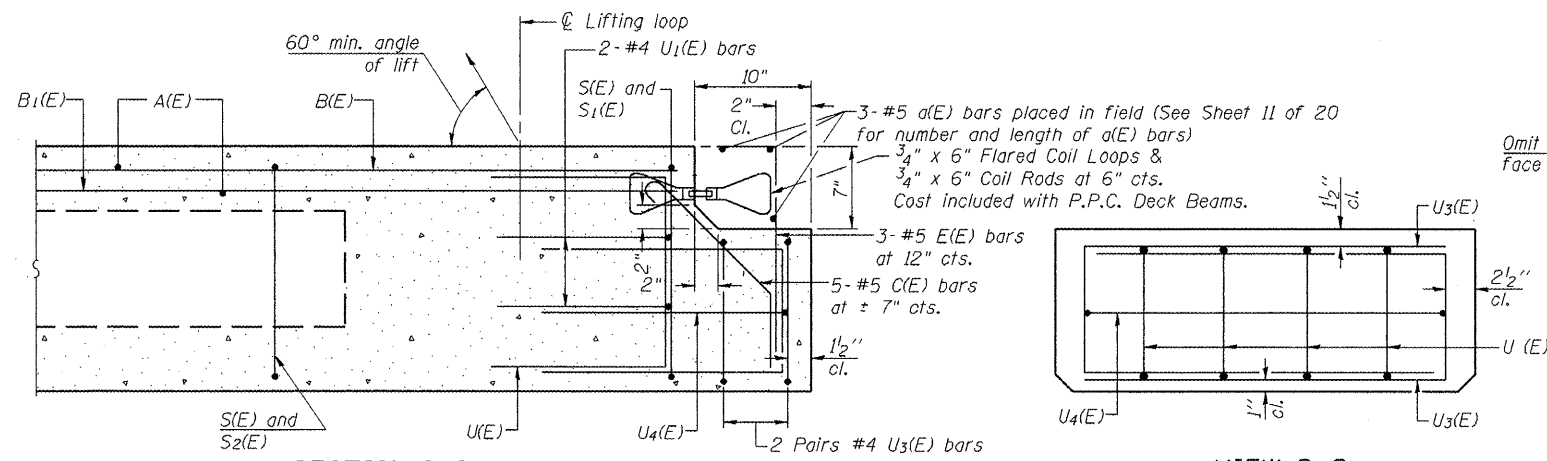


LIFTING LOOP DETAIL

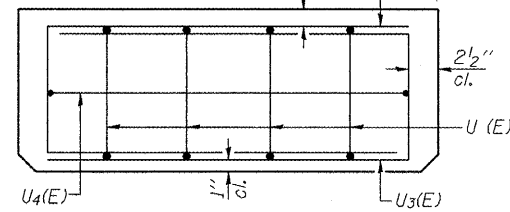
BILL OF MATERIAL

| | | |
|---|---------|------|
| Precast Prestressed Conc. Deck Bms. (21" depth) | Sq. Ft. | 7617 |
|---|---------|------|

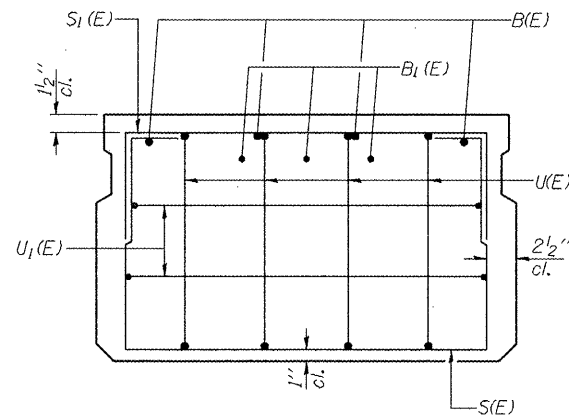
21 x 36 DECK BEAM DETAILS
SPANS 1, 2, 3, 4, 5, & 8
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087



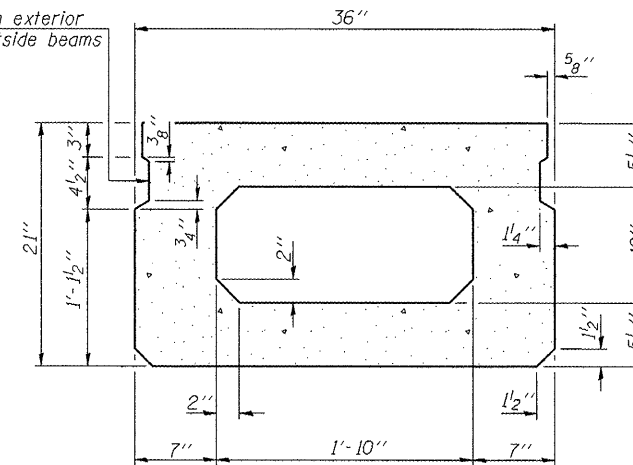
SECTION C-C



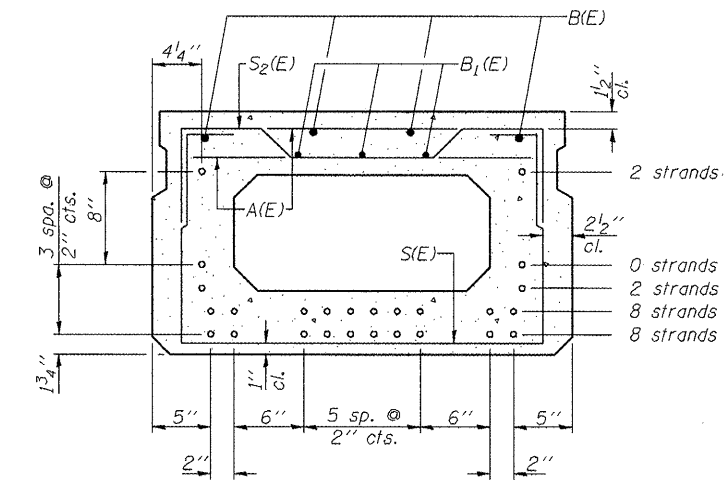
VIEW D-D



VIEW B-B



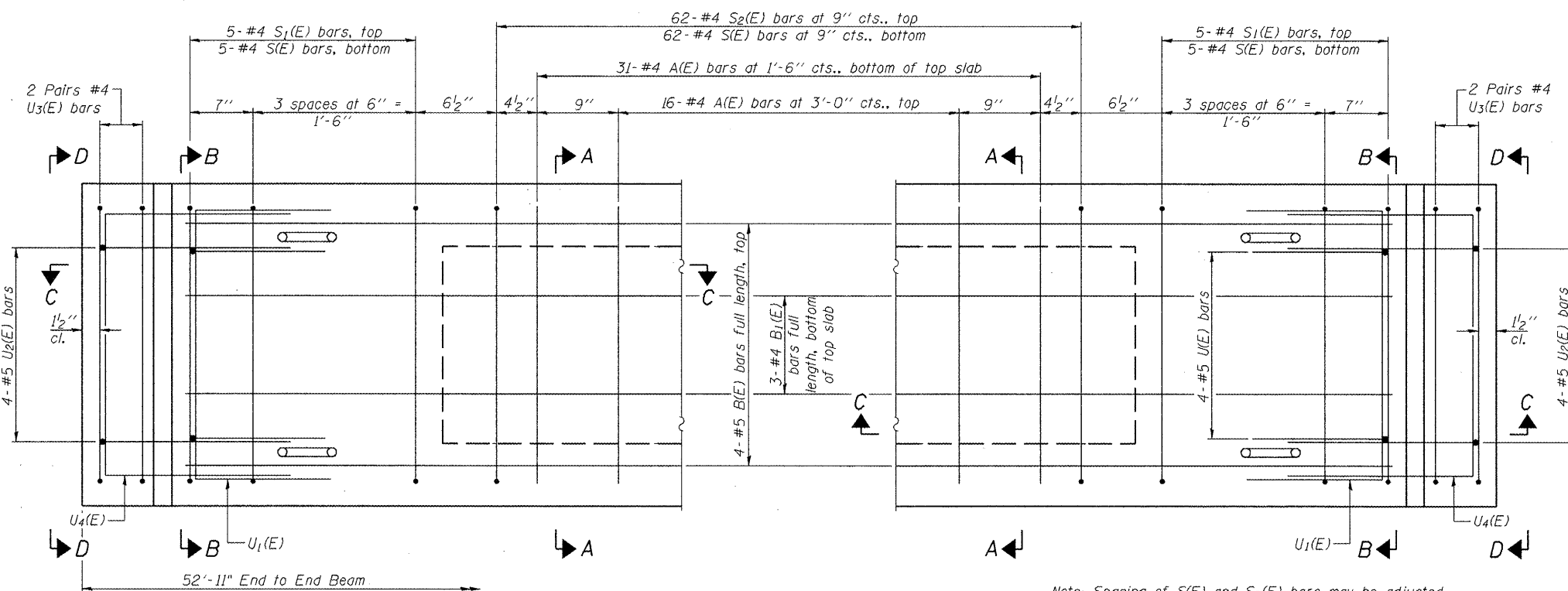
SECTION A-A
(Showing dimensions)



SECTION A-A

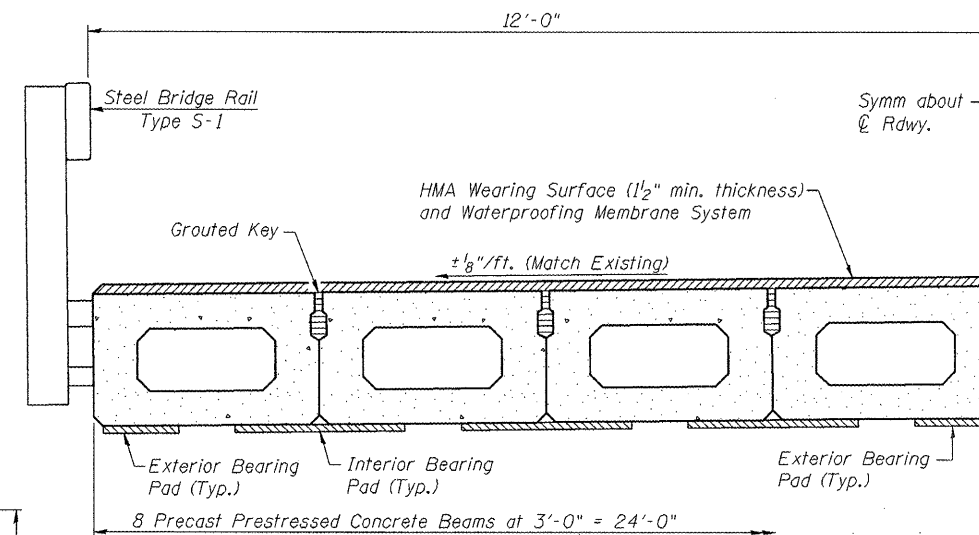
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4 inch in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



HALF CROSS SECTION

BAR LIST
ONE BEAM ONLY
(For information only)

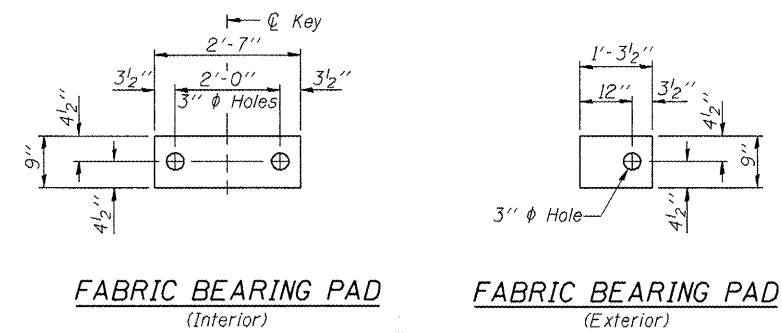
| Bar | No. | Size | Length | Shape |
|-------|-----|------|---------|-------|
| A(E) | 48 | #4 | 2'-7" | — |
| B(E) | 4 | #5 | 50'-11" | — |
| B1(E) | 3 | #4 | 50'-11" | — |
| C(E) | 10 | #5 | 2'-7" | — |
| E(E) | 6 | #5 | 2'-1" | — |
| S(E) | 72 | #4 | 6'-5" | — |
| S1(E) | 10 | #4 | 5'-7" | — |
| S2(E) | 62 | #4 | 5'-10" | — |
| U(E) | 8 | #5 | 4'-0" | — |
| U1(E) | 4 | #4 | 5'-0" | — |
| U2(E) | 8 | #5 | 5'-1" | — |
| U3(E) | 8 | #4 | 6'-0" | — |
| U4(E) | 2 | #4 | 6'-8" | — |

Note: See sheet 6 of 20 for additional details and Bill of Material.

21 x 36 P.P.C. DECK BEAM
SPAN 6
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

| | | | | | |
|-----------------------|----------|------------------|------|-------|-----------|
| ROUTE NO. | SECTION | COUNTY | DATE | SHEET | SHEET NO. |
| F.A.P. 744 | 108B-I-2 | TAZEWELL | 29 | 13 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

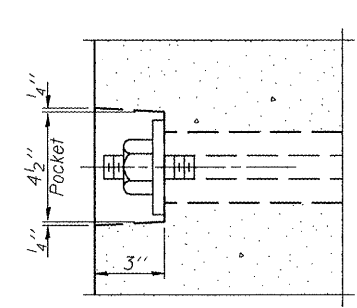
Contract # 68485



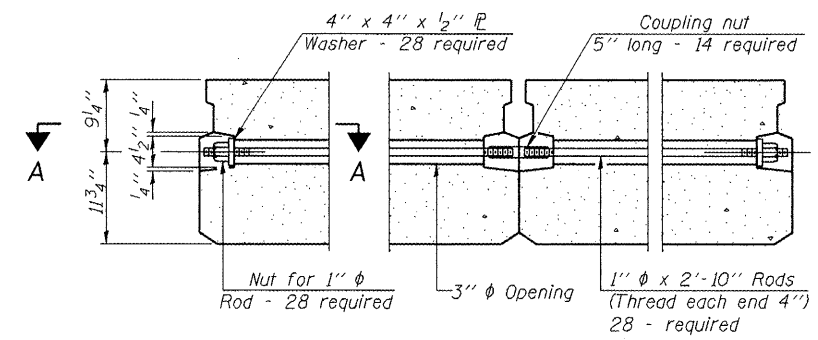
FABRIC BEARING PAD
(Interior) **FABRIC BEARING PAD**
(Exterior)

FIXED

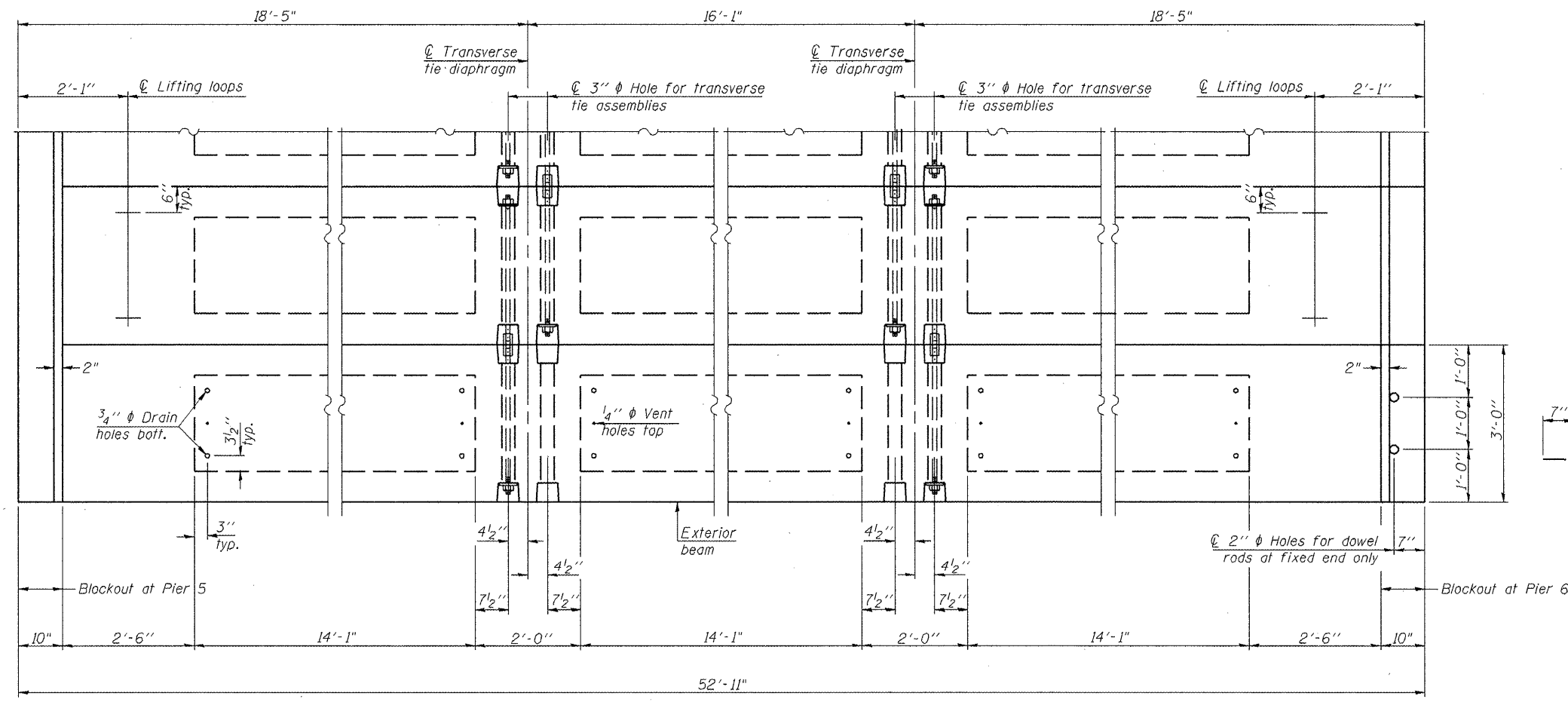
Note: Omit holes when using expansion bearings.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

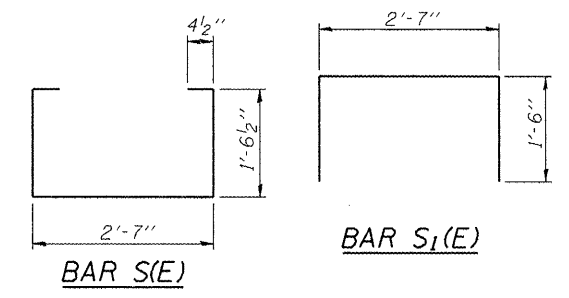


PLAN VIEW

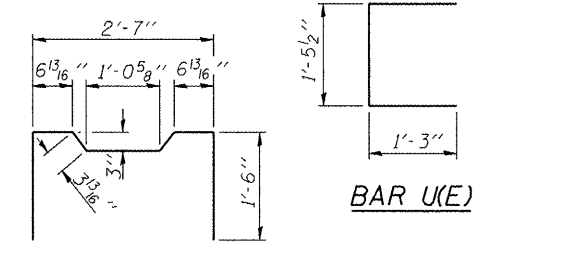
Notes: Connect beams in pairs with the transverse tie configuration shown.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

NOTES

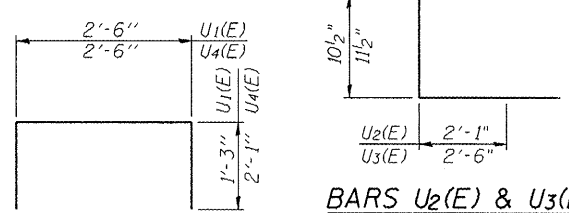
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706 (IL MOD), Grade 60. (See Special Provisions)
Two 3/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'cl, shall be 5000 psi.



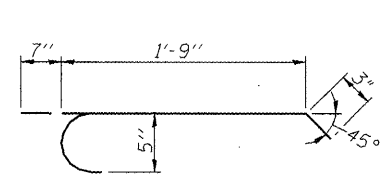
BAR S(E) **BAR S1(E)**



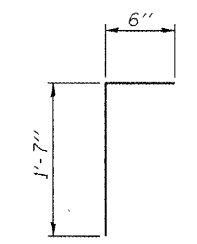
BAR U(E) **BARS U2(E) & U3(E)**



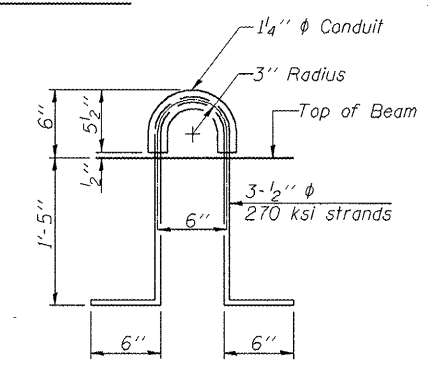
BARS U1(E) & U4(E)



BAR C(E)



BAR E(E)



LIFTING LOOP DETAIL

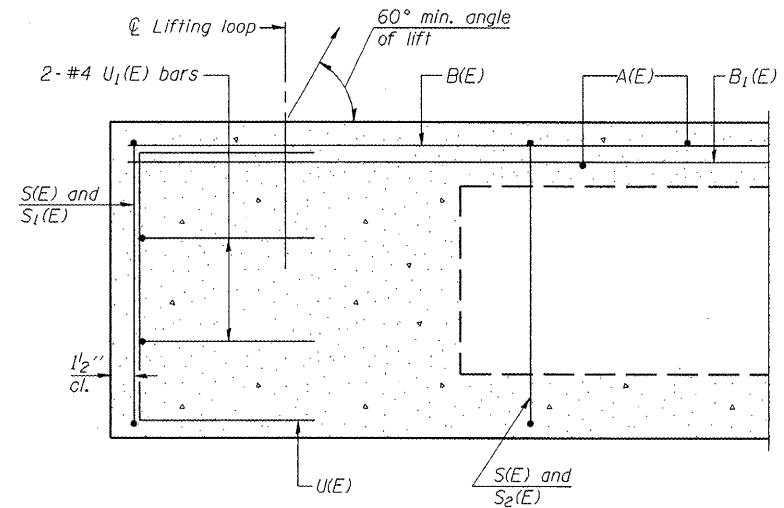
BILL OF MATERIAL

| | | |
|---|---------|------|
| Precast Prestressed Conc. Deck Bms. (21" depth) | Sq. Ft. | 1270 |
|---|---------|------|

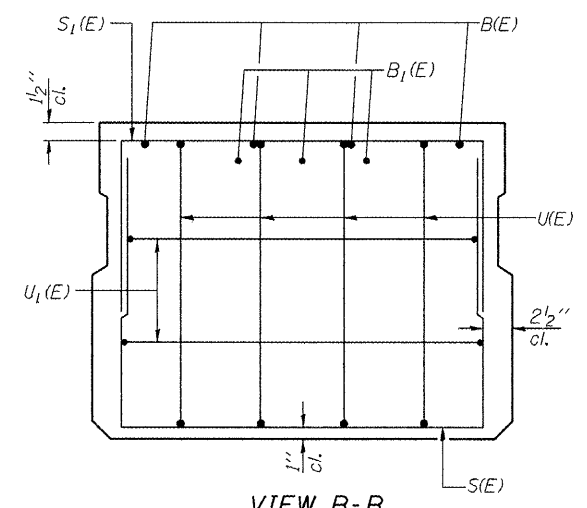
21 x 36 DECK BEAM DETAILS
SPAN 6
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

| | | | | | |
|-----------------------|----------|------------------|--------------|-------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET | SHEET NO. 7 |
| F.A.P. 744 | 108B-1-2 | TAZEWELL | 29 | 14 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 68485

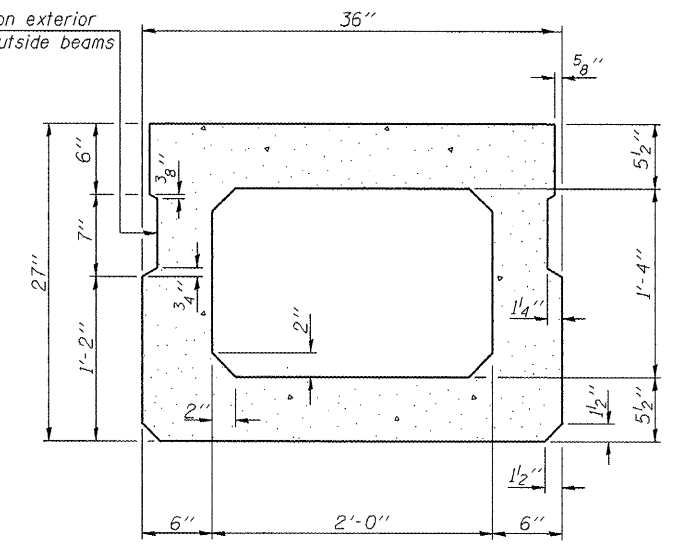


SECTION C-C

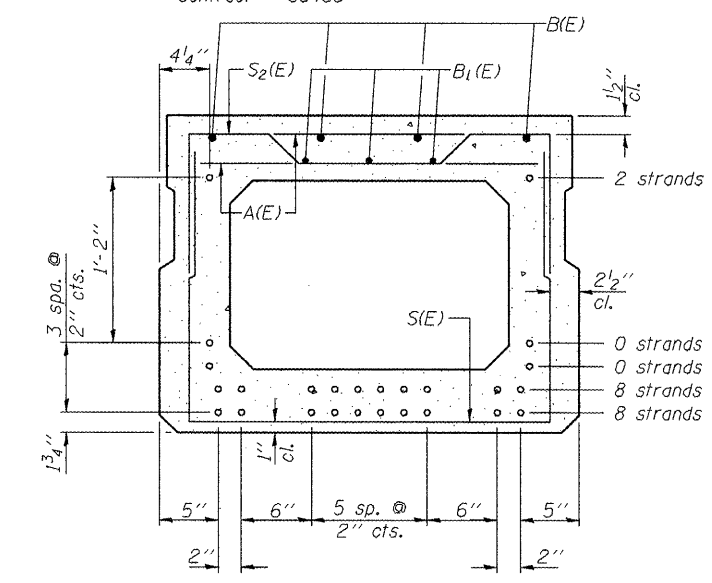


VIEW B-B

Omit key on exterior face of outside beams

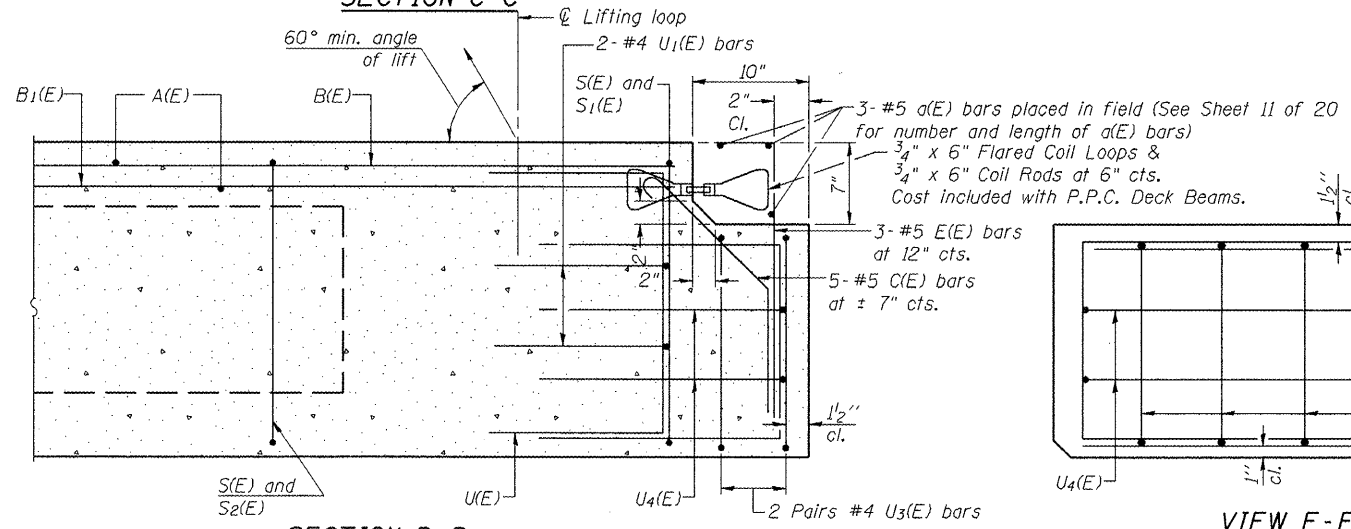


SECTION A-A
(Showing dimensions)

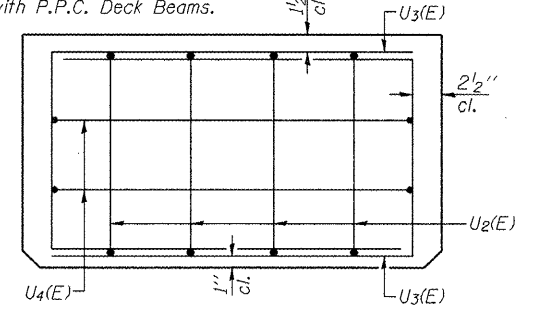


SECTION A-A

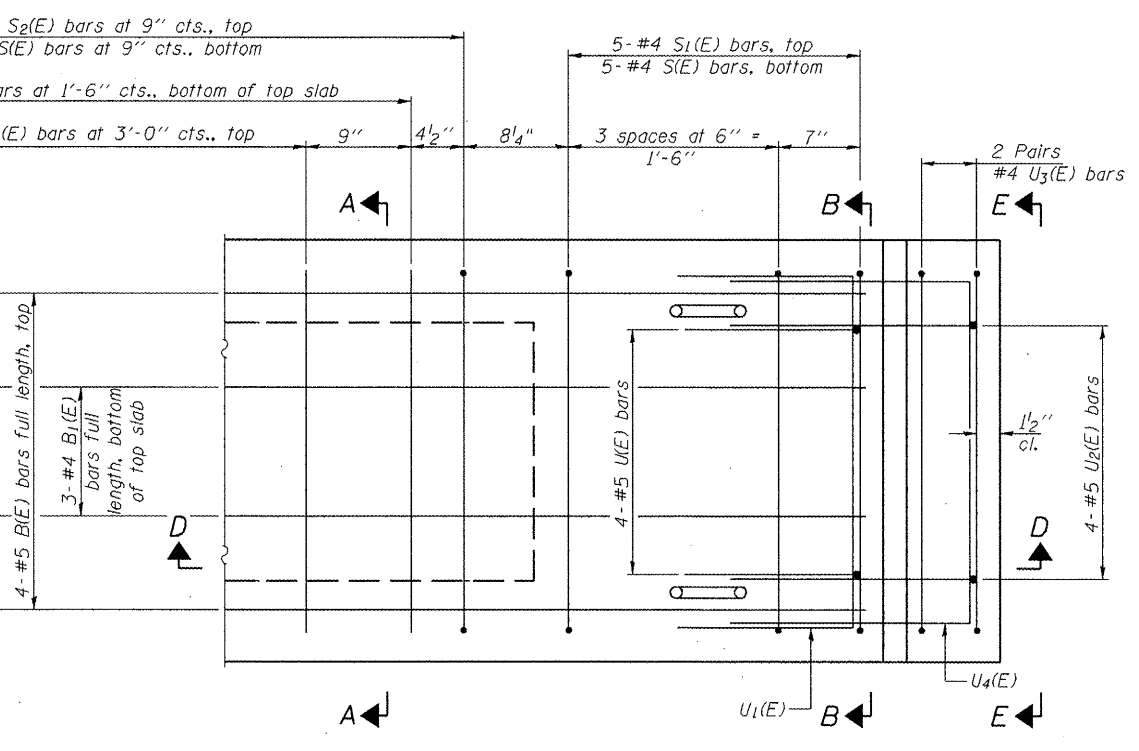
(Showing reinforcement and permissible strand locations)
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



SECTION D-D

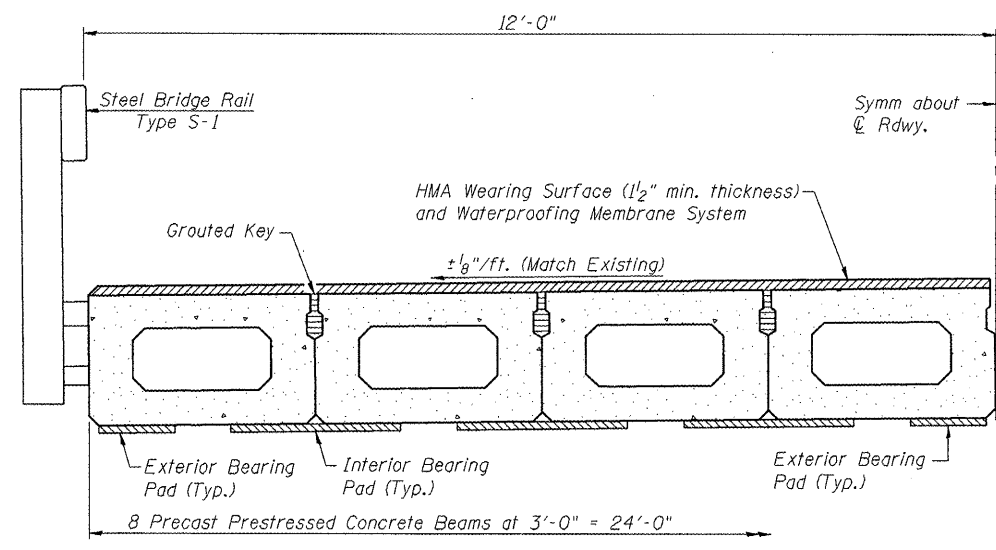


VIEW E-E



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



HALF CROSS SECTION

BAR LIST
ONE BEAM ONLY
(For information only)

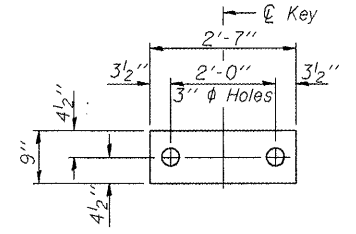
| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 56 | #4 | 2'-7" | — |
| B(E) | 4 | #5 | 59'-6" | — |
| B1(E) | 3 | #4 | 59'-6" | — |
| C(E) | 5 | #5 | 2'-11" | — |
| E(E) | 3 | #5 | 2'-7" | — |
| S(E) | 83 | #4 | 6'-5" | □ |
| S1(E) | 10 | #4 | 6'-3" | □ |
| S2(E) | 73 | #4 | 6'-6" | □ |
| U(E) | 8 | #5 | 4'-6" | □ |
| U1(E) | 4 | #4 | 5'-0" | □ |
| U2(E) | 4 | #5 | 5'-7" | □ |
| U3(E) | 4 | #4 | 6'-6" | □ |
| U4(E) | 2 | #4 | 6'-8" | □ |

Note: See sheet 8 of 20 for additional details and Bill of Material.

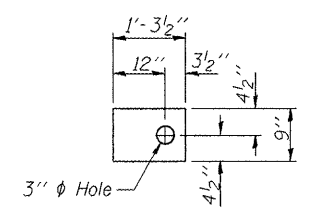
27 x 36 P.P.C. DECK BEAM
SPAN 9
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

| | | | | | |
|-----------------------|----------|-------------------|------|-------|-----------|
| ROUTE NO. | SECTION | COUNTY | DATE | SHEET | SHEET NO. |
| F.A.P. 744 | 108B-1-2 | TAZEWELL | 29 | 15 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |

Contract # 68485



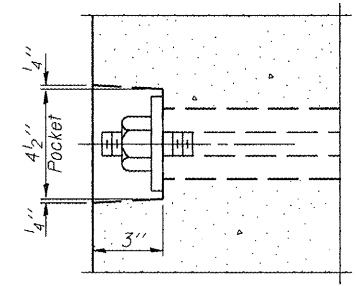
FABRIC BEARING PAD
(Interior)



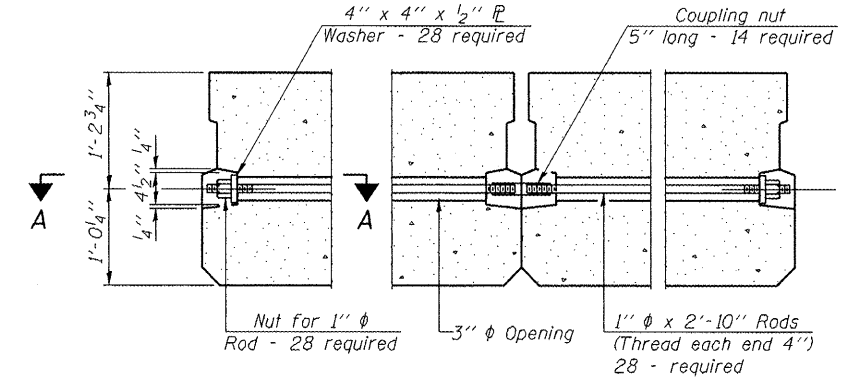
FABRIC BEARING PAD
(Exterior)

FIXED

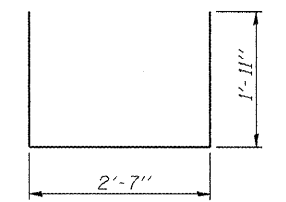
Note: Omit holes when using expansion bearings.



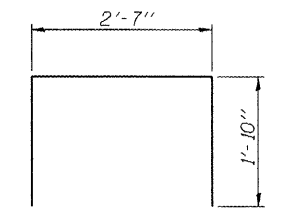
SECTION A-A



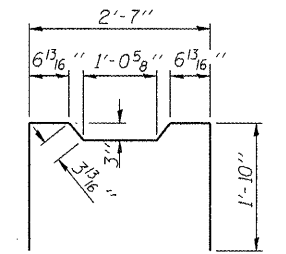
TYPICAL TRANSVERSE TIE ASSEMBLY



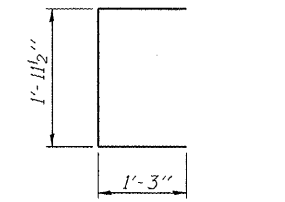
BAR S(E)



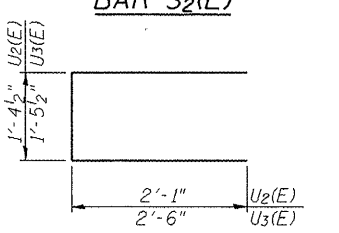
BAR S1(E)



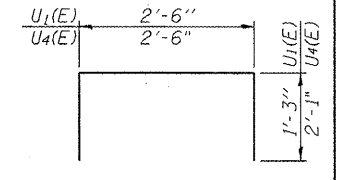
BAR S2(E)



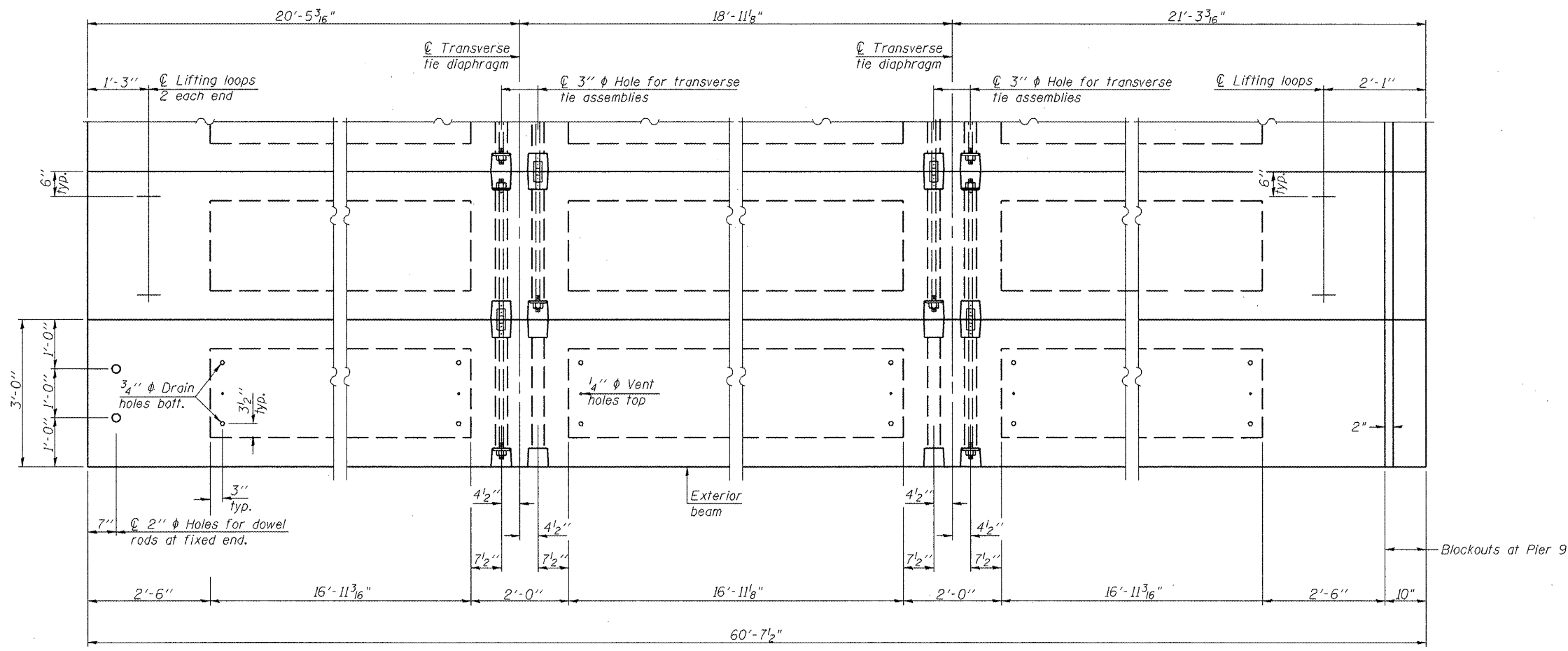
BAR U(E)



BARS U2(E) and U3(E)



BARS U1(E) and U4(E)

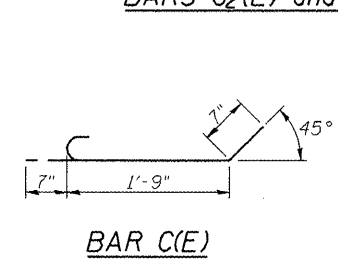


PLAN VIEW

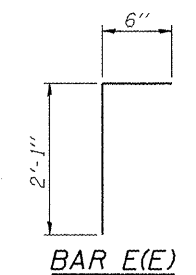
Notes: Connect beams in pairs with the transverse tie configuration shown.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

NOTES

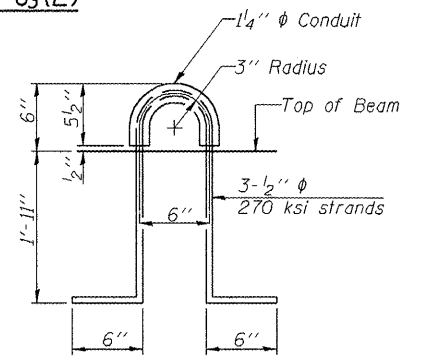
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706 (IL MOD), Grade 60. (See Special Provisions)
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



BAR C(E)



BAR E(E)

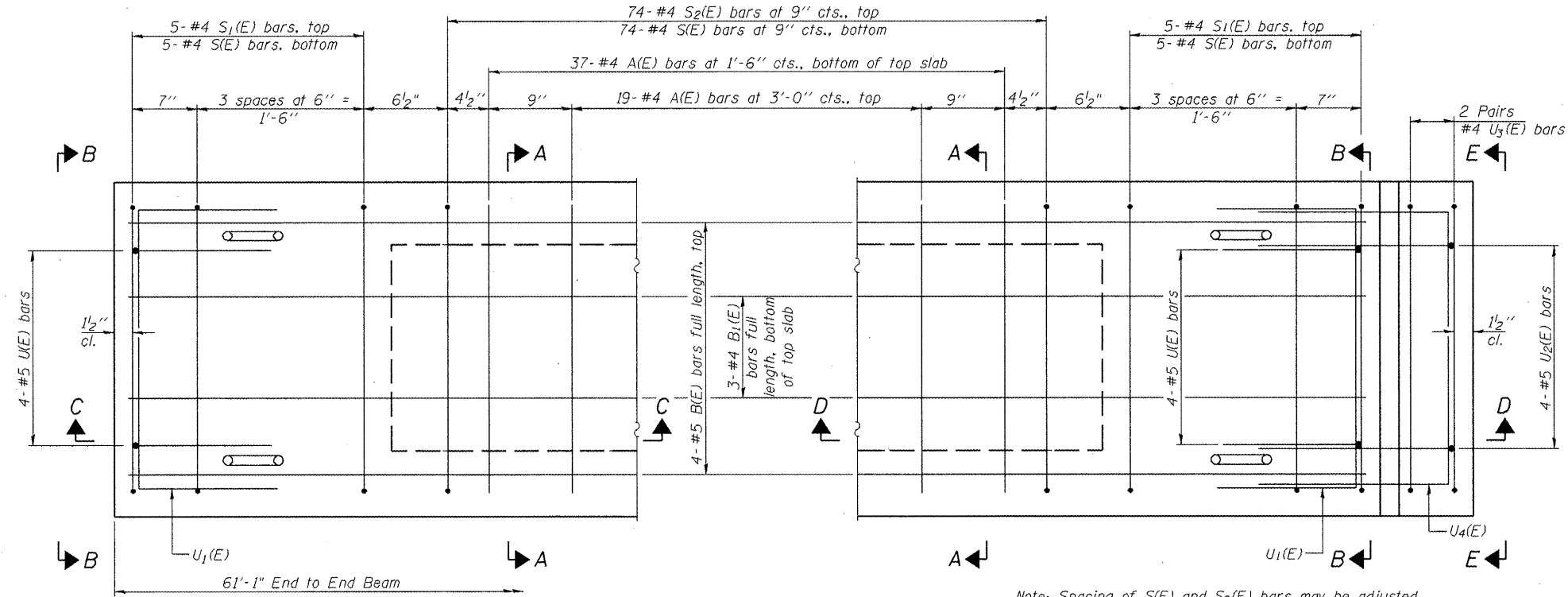
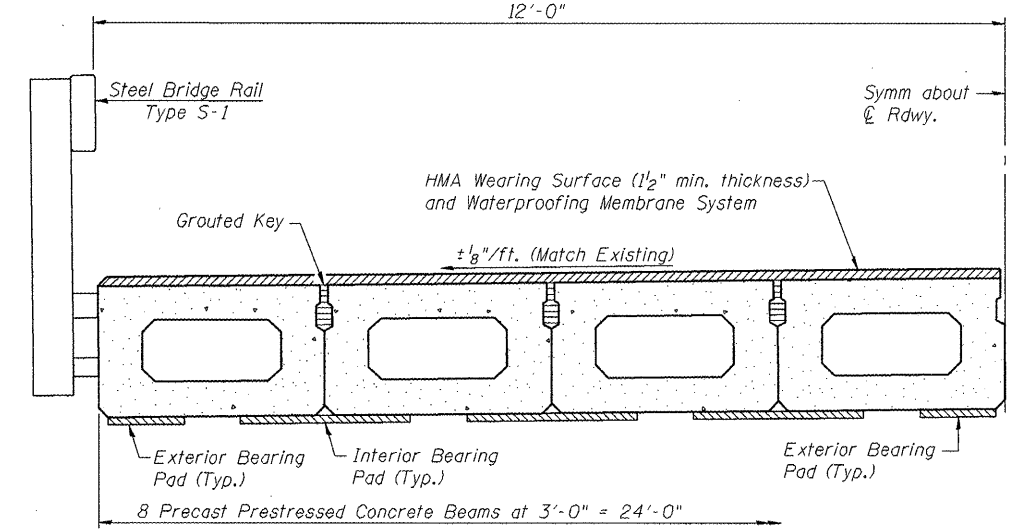
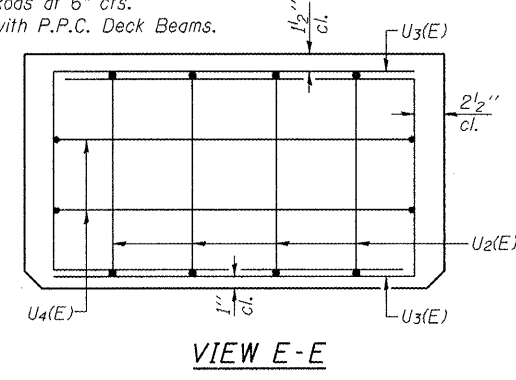
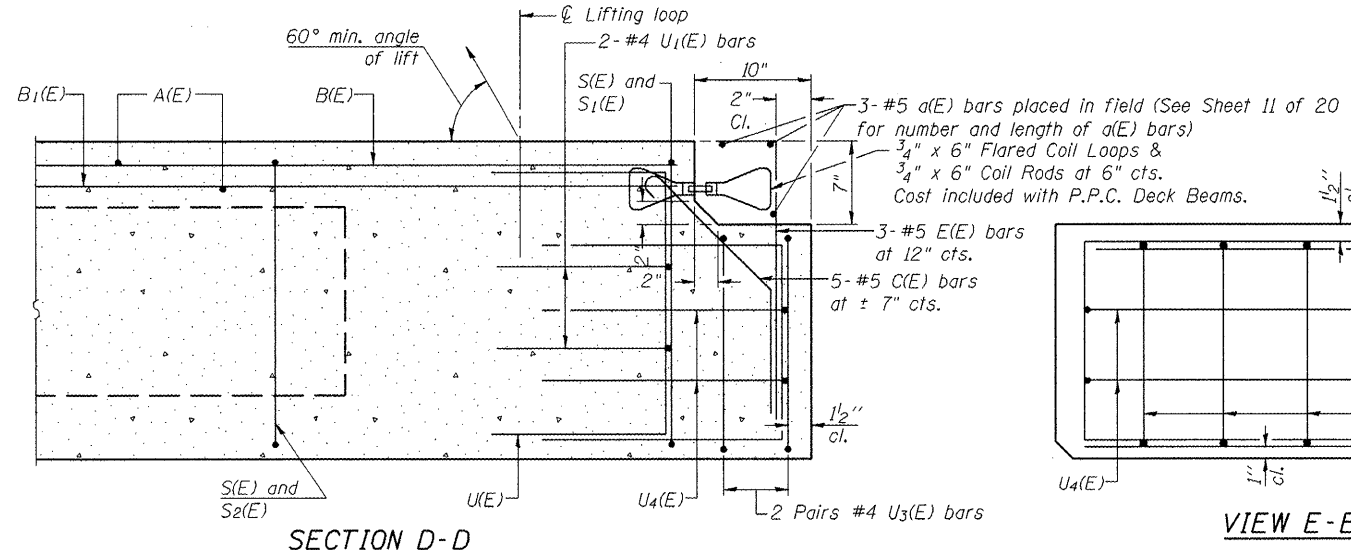
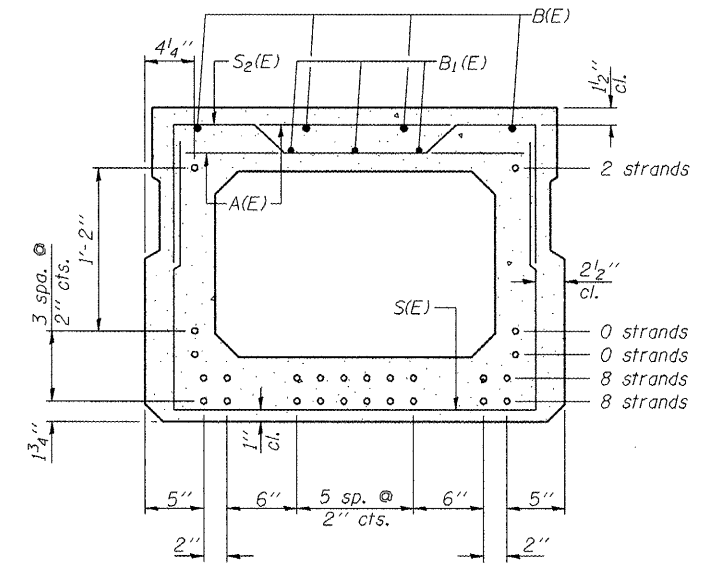
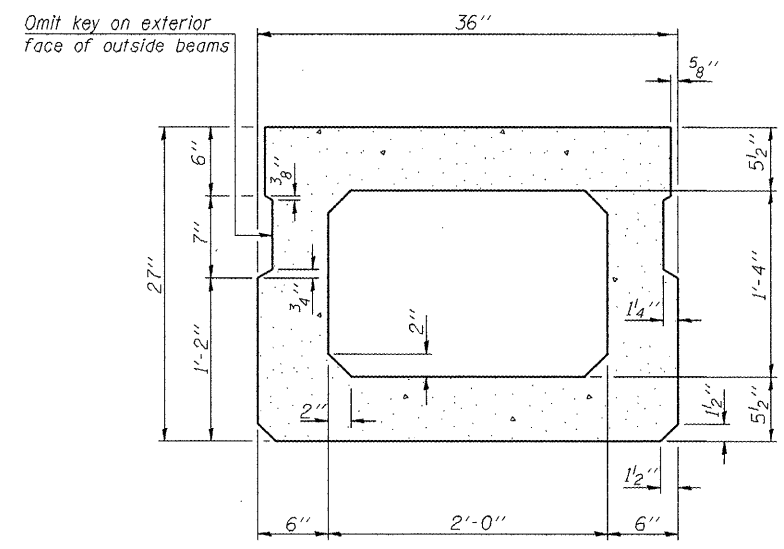
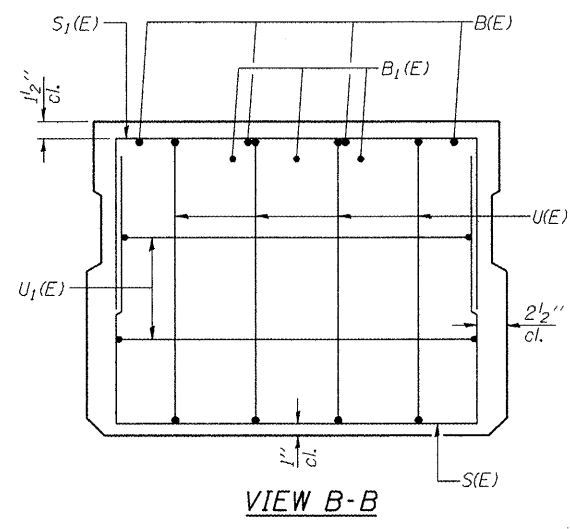
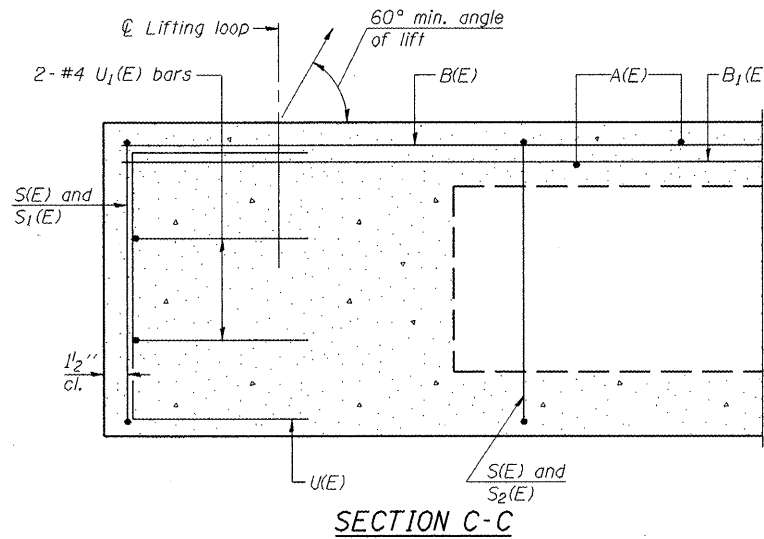


LIFTING LOOP DETAIL

BILL OF MATERIAL

| | | |
|---|---------|------|
| Precast Prestressed Conc. Deck Bms. (27" depth) | Sq. Ft. | 1455 |
|---|---------|------|

27 x 36 DECK BEAM DETAILS
SPAN 9
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087



BAR LIST
ONE BEAM ONLY
(For information only)

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 56 | #4 | 2'-7" | — |
| B(E) | 4 | #5 | 60'-0" | — |
| B1(E) | 3 | #4 | 60'-0" | — |
| C(E) | 5 | #5 | 2'-11" | U |
| E(E) | 3 | #5 | 2'-7" | U |
| S(E) | 84 | #4 | 6'-5" | □ |
| S1(E) | 10 | #4 | 6'-3" | □ |
| S2(E) | 74 | #4 | 6'-6" | □ |
| U(E) | 8 | #5 | 4'-6" | □ |
| U1(E) | 4 | #4 | 5'-0" | □ |
| U2(E) | 4 | #5 | 5'-7" | □ |
| U3(E) | 4 | #4 | 6'-6" | □ |
| U4(E) | 2 | #4 | 6'-8" | □ |

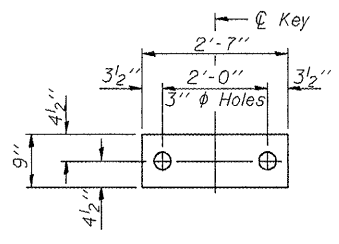
27 x 36 P.P.C. DECK BEAM
SPAN 10
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

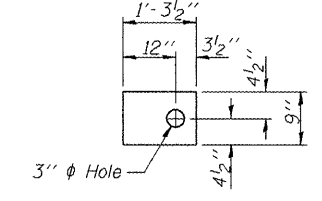
Note: See sheet 10 of 20 for additional details and Bill of Material.

| | | | | | |
|-----------------------|----------|-------------------|--------------|-------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET | SHEET NO. |
| F.A.P. 744 | 108B-I-2 | TAZEWELL | 29 | 17 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |

Contract # 68485



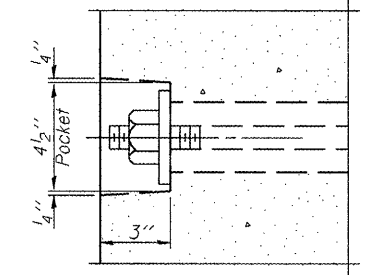
FABRIC BEARING PAD
(Interior)



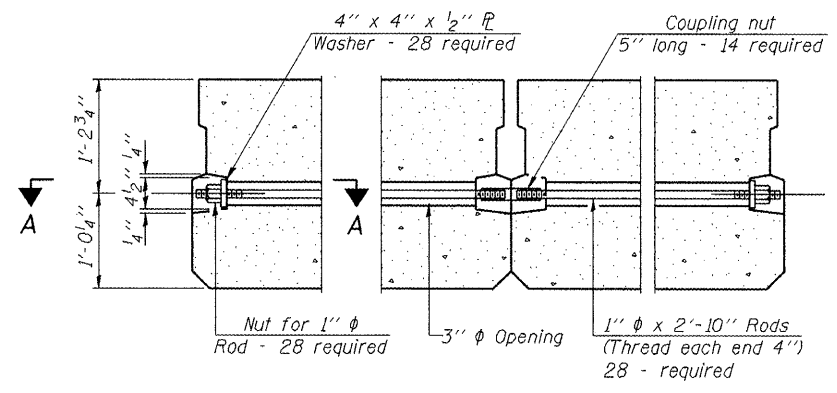
FABRIC BEARING PAD
(Exterior)

FIXED

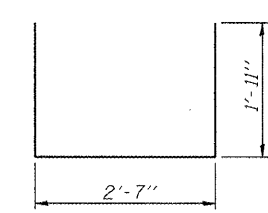
Note: Omit holes when using expansion bearings.



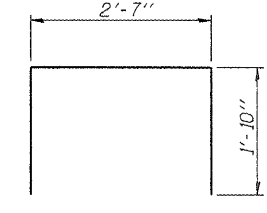
SECTION A-A



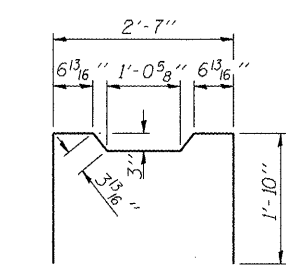
TYPICAL TRANSVERSE TIE ASSEMBLY



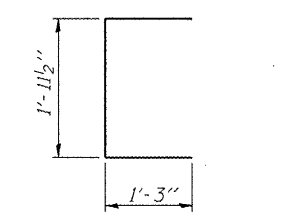
BAR S(E)



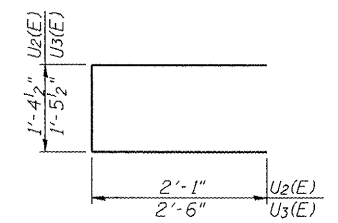
BAR S1(E)



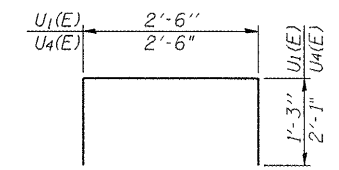
BAR S2(E)



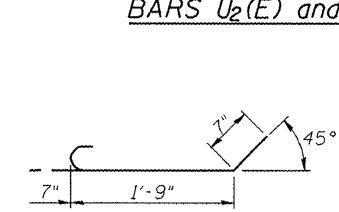
BAR U(E)



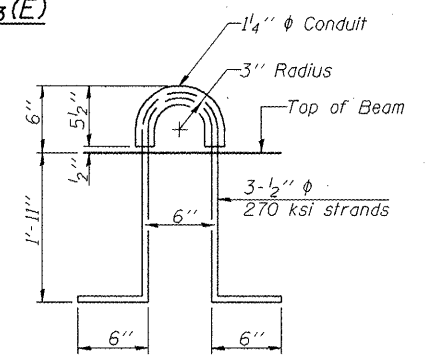
BARS U2(E) and U3(E)



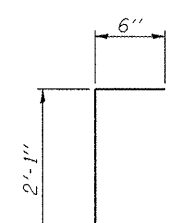
BARS U1(E) and U4(E)



BAR C(E)



LIFTING LOOP DETAIL

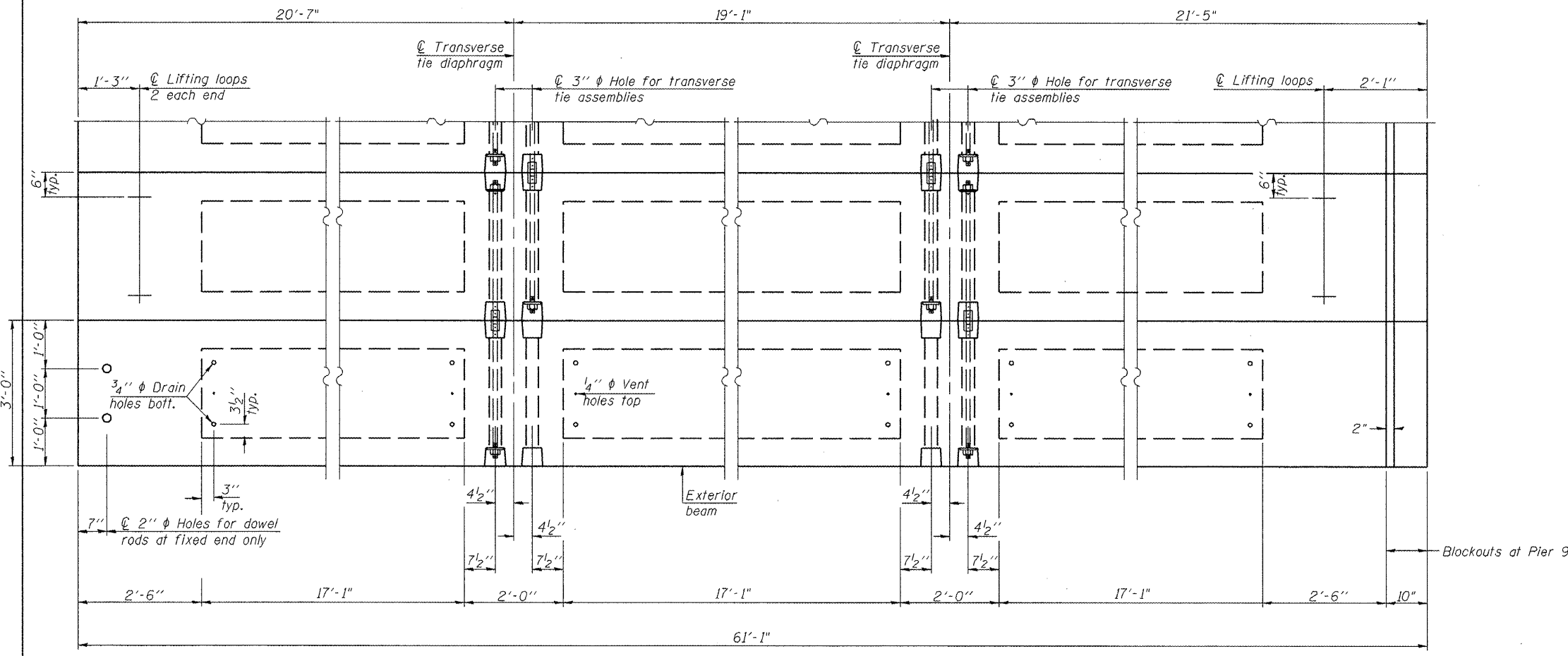


BAR E(E)

BILL OF MATERIAL

| | | |
|---|---------|------|
| Precast Prestressed Conc. Deck Bms. (27" depth) | Sq. Ft. | 1466 |
|---|---------|------|

27 x 36 DECK BEAM DETAILS
SPAN 10
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087



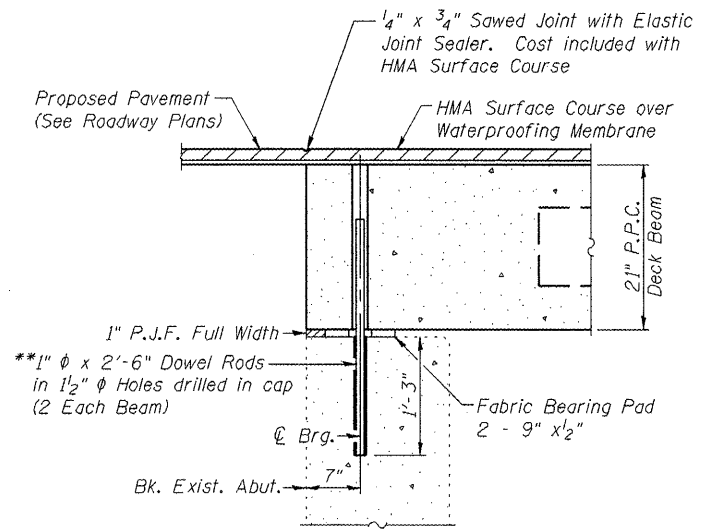
PLAN VIEW

Notes: Connect beams in pairs with the transverse tie configuration shown.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

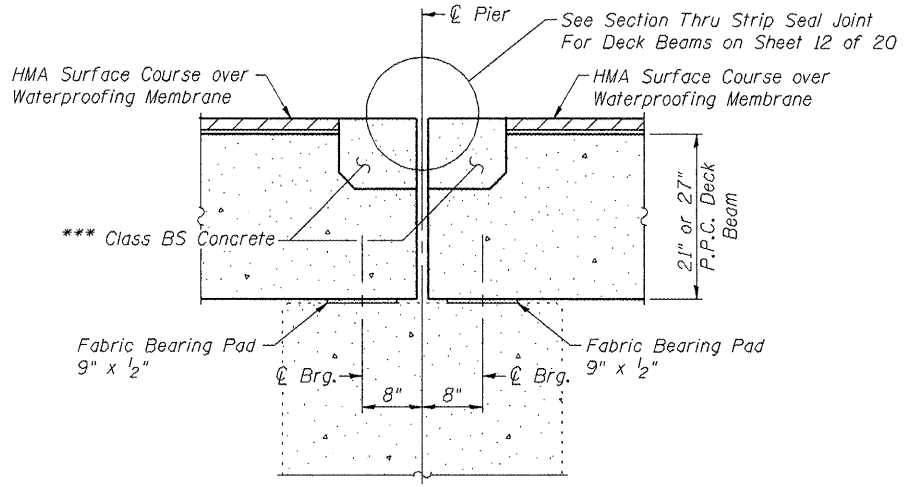
NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706 (IL MOD), Grade 60. (See Special Provisions)
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

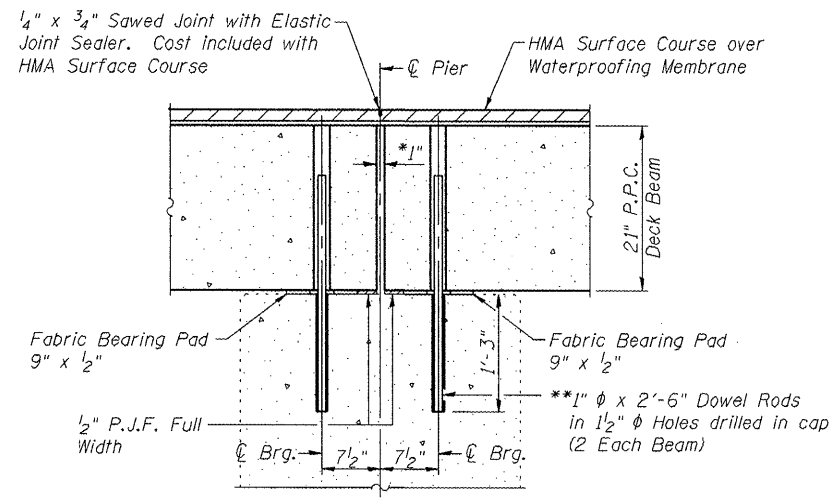
Contract # 68485



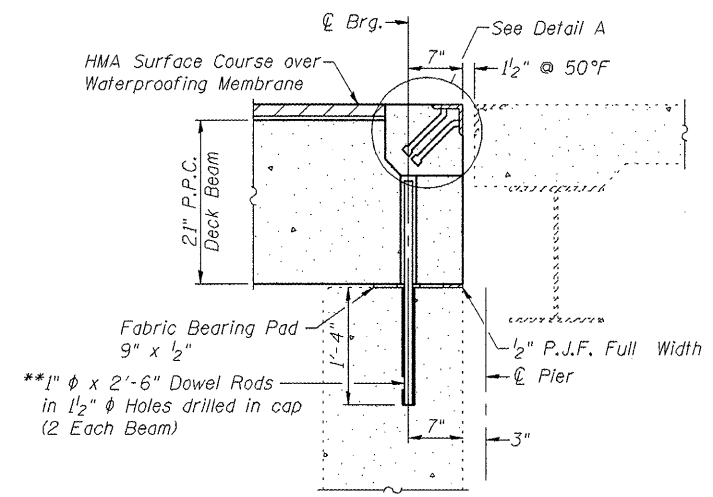
SECTION THRU NORTH ABUTMENT



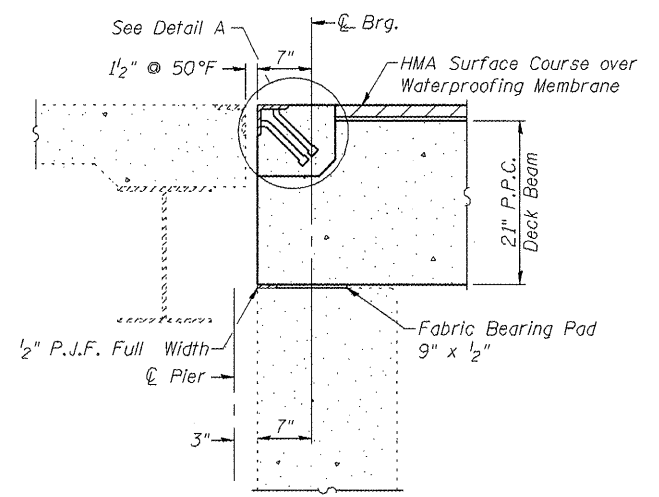
SECTION THRU PIERS 1, 3, 5, & 9



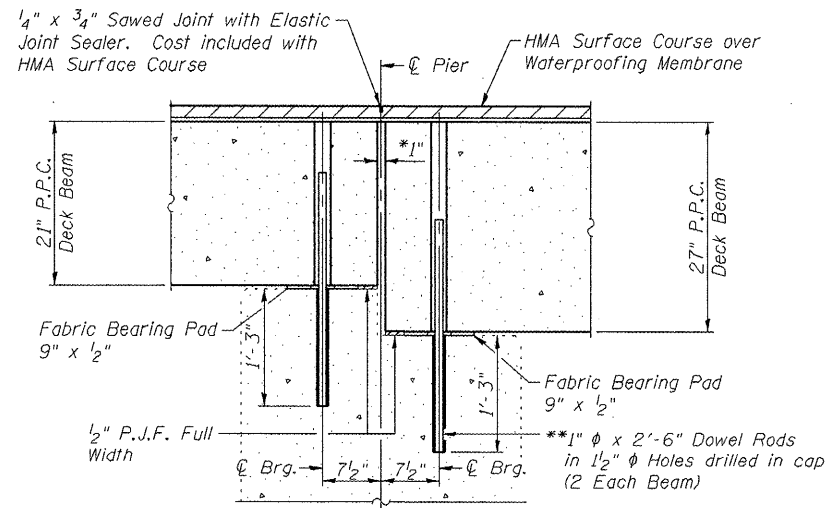
SECTION THRU PIERS 2 & 4



SECTION THRU PIER 6



SECTION THRU PIER 7

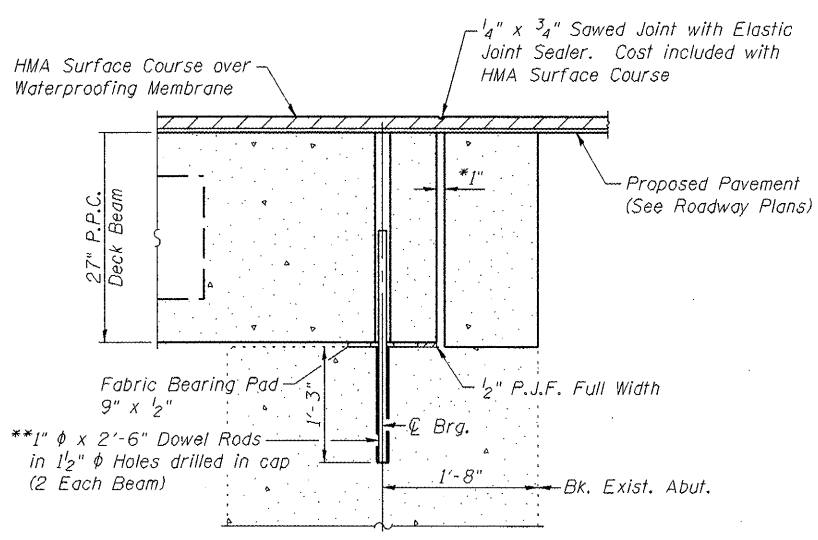


SECTION THRU PIER 8

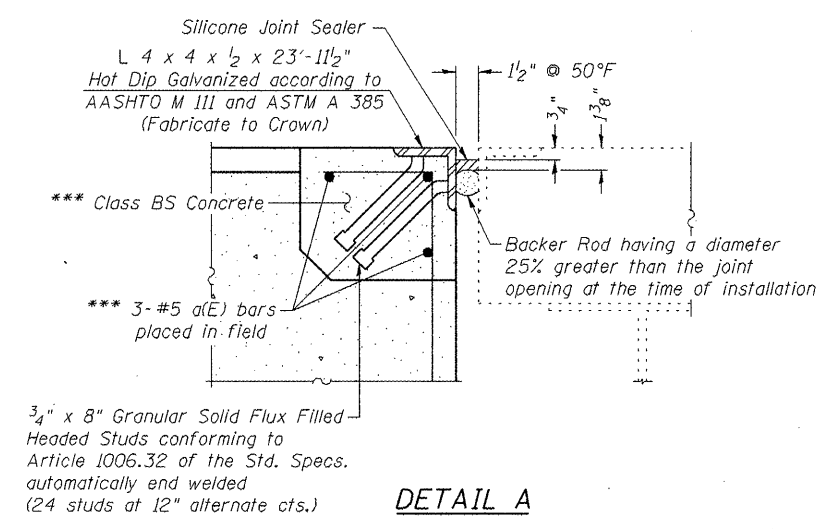
BAR LIST

(For information only)

| Bar | No. | Size | Length | Shape |
|------|-----|------|--------|-------|
| a(E) | 30 | #5 | 23'-8" | — |



SECTION THRU SOUTH ABUTMENT



DETAIL A

- * 1" Joint shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.
- ** After beams have been erected, holes shall be drilled into the substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to the top of beam and allowed to cure a minimum of 24 hours prior to grouting the shear keys.
- *** Cost of Class BS Concrete and reinforcement bars is included with P.P.C. Deck Beams

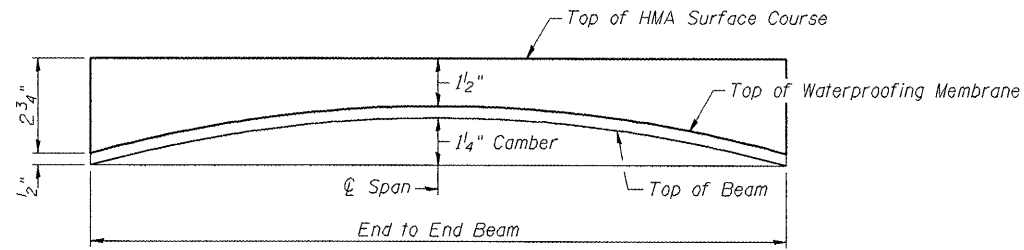
Note: Existing dowel rods at the piers and abutments shall be burned off flush with the top of the existing concrete, ground smooth, and sealed with epoxy. Cost included with Removal of Existing Superstructures.

BILL OF MATERIAL

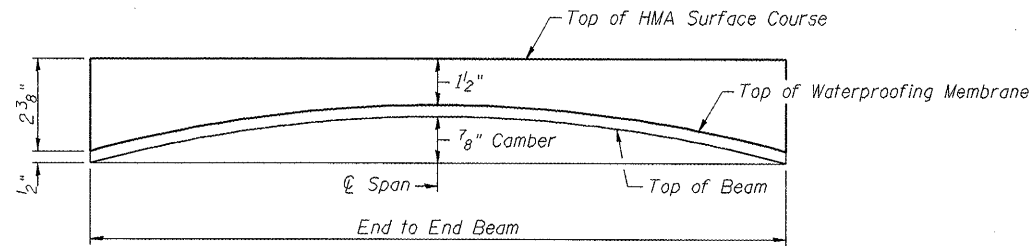
| ITEM | UNIT | QUANTITY |
|--|-------|----------|
| Silicone Joint Sealer, 1 1/2" | Foot | 48 |
| Preformed Joint Strip Seal | Foot | 104 |
| Furnishing and Erecting Structural Steel | Pound | 615 |
| Stud Shear Connectors | Each | 48 |

SUPERSTRUCTURE DETAILS
F.A.S. ROUTE 744 (OLD IL121)
OVER MACKINAW RIVER
SECTION 10BB-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

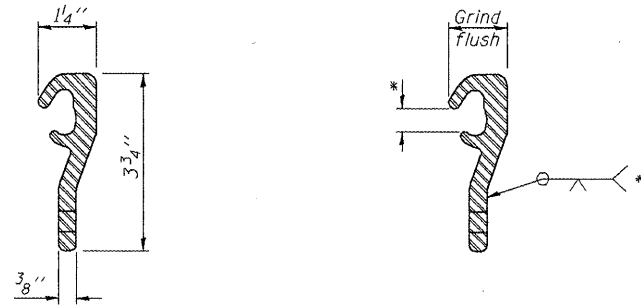
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|-----------------------|----------|-------------------|--------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 12 20 SHEETS |
| F.A.P. 744 | 108B-1-2 | TAZEWELL | 29 | 19 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |
| Contract # 68485 | | | | | |



HMA SURFACE COURSE PROFILE & ANTICIPATED CAMBER DIAGRAM SPANS 1-6 & 8



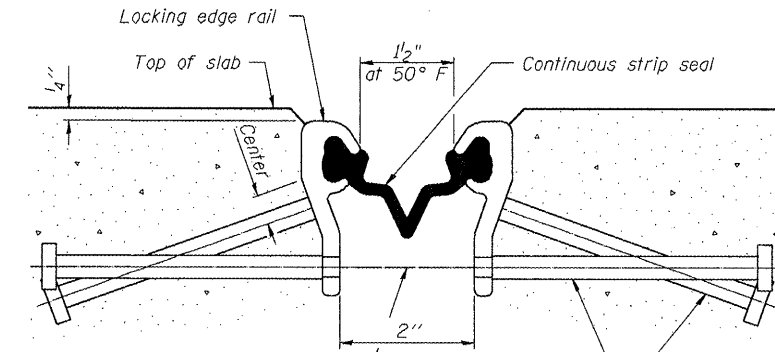
HMA SURFACE COURSE PROFILE & ANTICIPATED CAMBER DIAGRAM SPANS 9 & 10



LOCKING EDGE RAIL LOCKING EDGE RAIL SPLICE

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.
 The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.
 The inside of the Locking Edge Rail groove shall be free of weld residue. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
 The manufacturer's recommended installation methods shall be followed. Strip Seal to extend 12" beyond edge of Deck Beam.

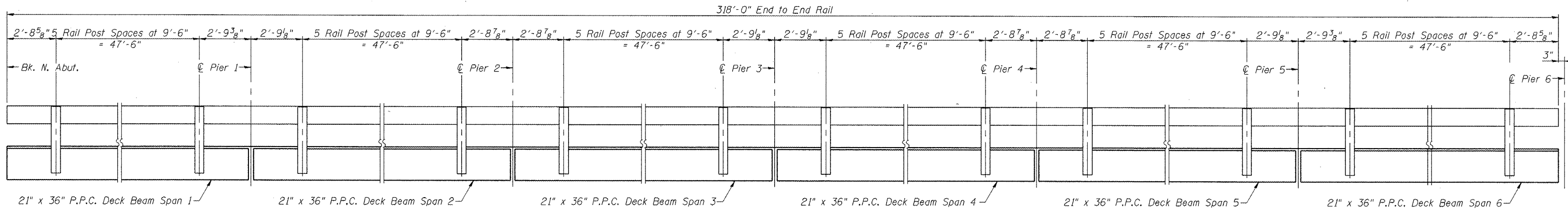
* Omit weld at seal opening.



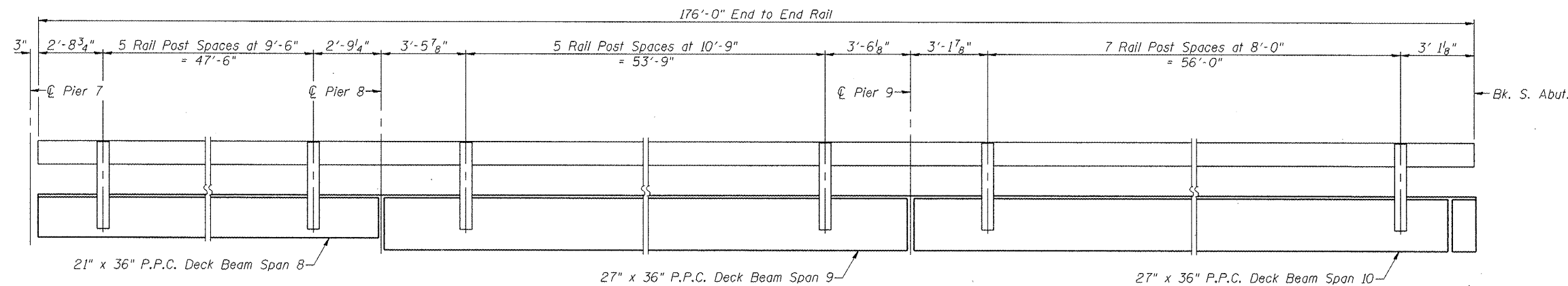
7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

Place 1/2" ϕ x 6" granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded at 1'-0" alt. cts.

SECTION THRU STRIP SEAL JOINT FOR DECK BEAMS



RAIL POST SPACING SPANS 1-6

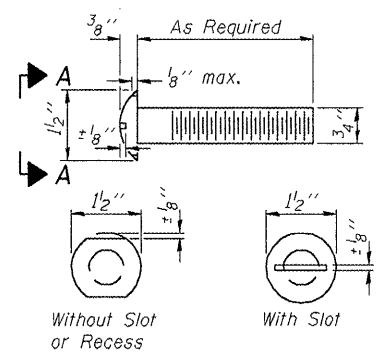


RAIL POST SPACING SPANS 8-10

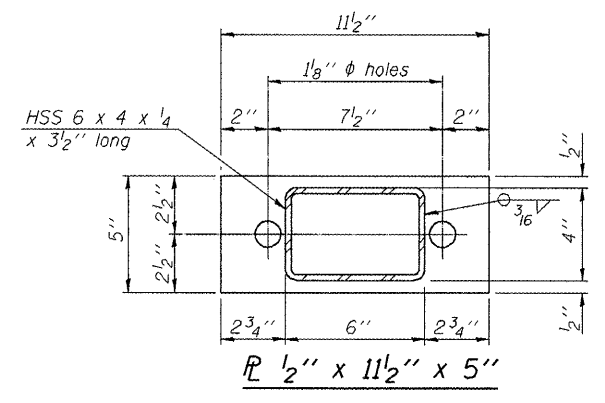
**SUPERSTRUCTURE DETAILS
 F.A.S. ROUTE 744 (OLD IL121)
 OVER MACKINAW RIVER
 SECTION 108-B-1-2
 TAZEWELL COUNTY
 STATION 667+55.00
 STRUCTURE NO. 090-0087**

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. |
| F.A.P. 744 | 108B-I-2 | TAZEWELL | 29 | 20 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

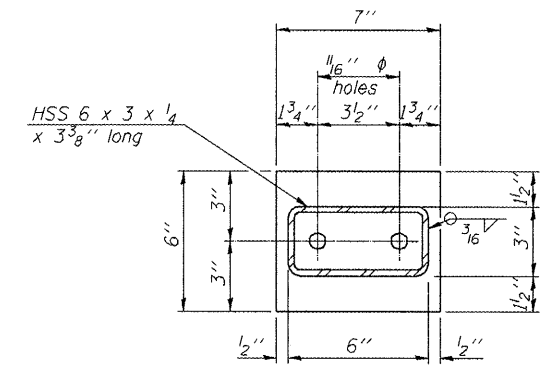
Contract # 68485



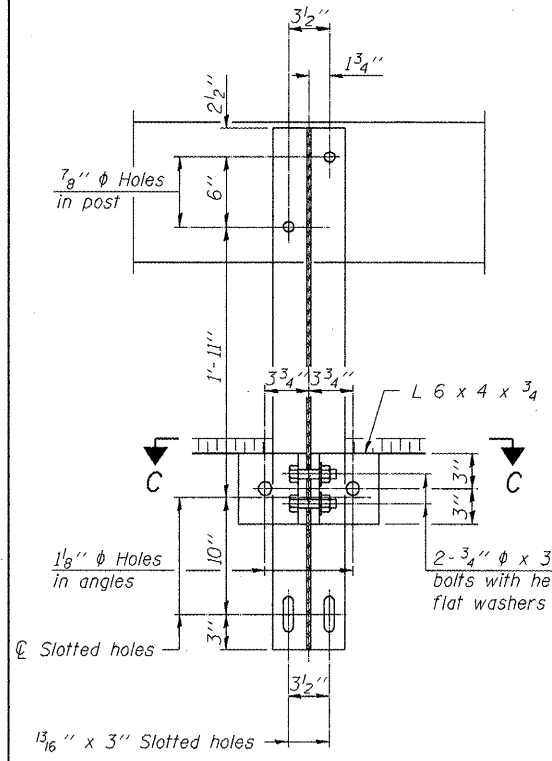
VIEW A-A
ROUND HEAD BOLT



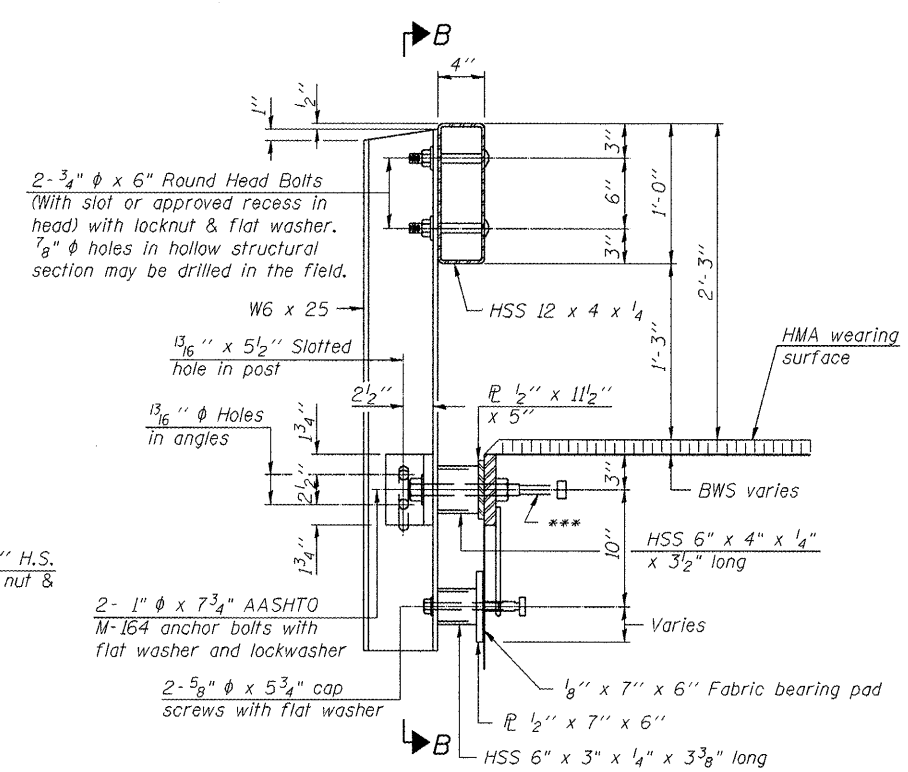
PL 1/2" x 11 1/2" x 5"



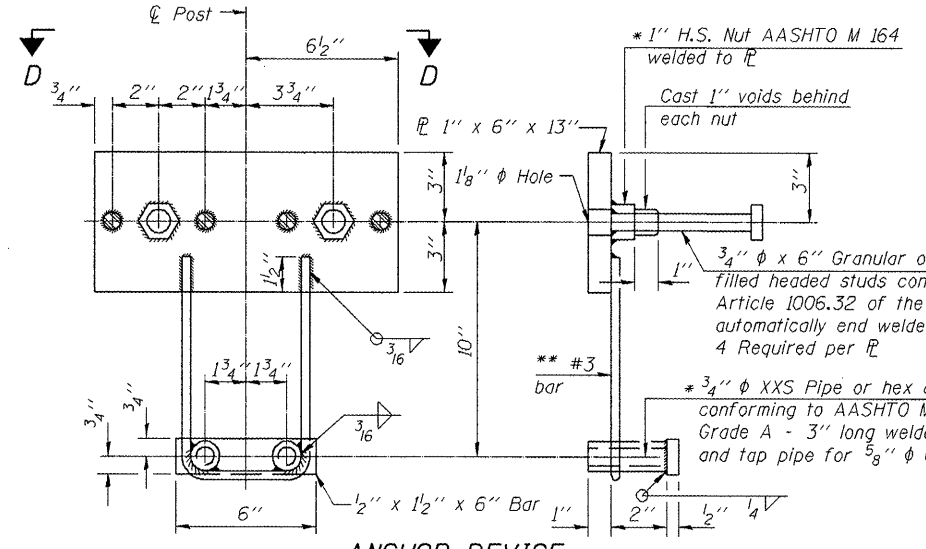
PL 1/2" x 7" x 6"



SECTION B-B

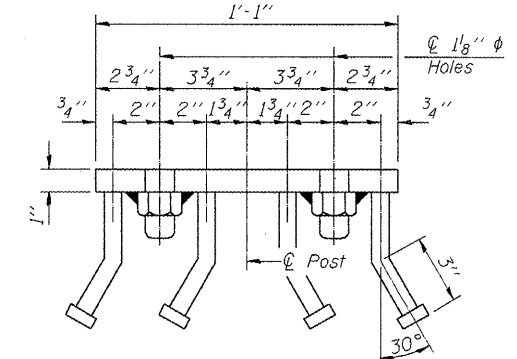


SECTION AT RAILING POST

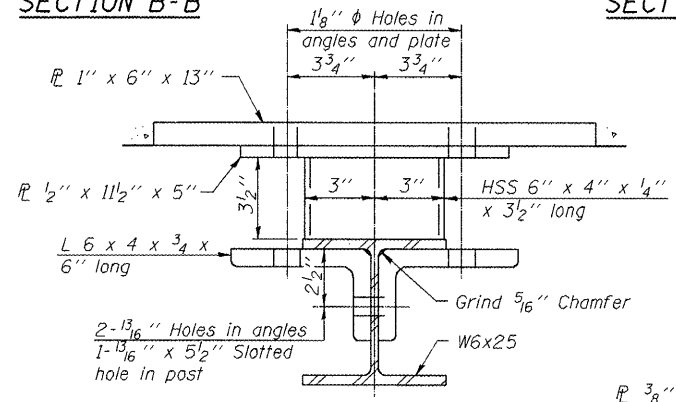


ANCHOR DEVICE

Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.
See Sheet 12 of 20 for rail post spacing.

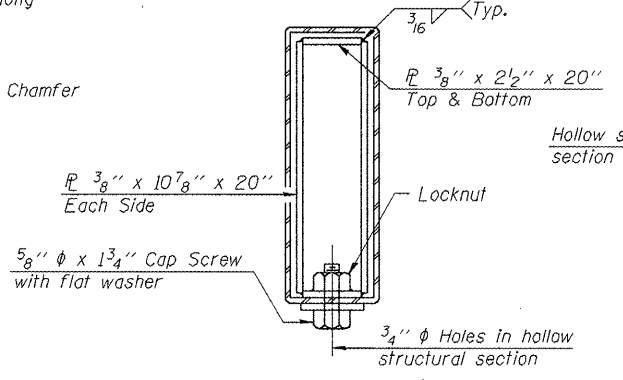


VIEW D-D

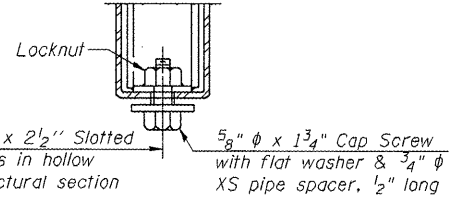


SECTION C-C

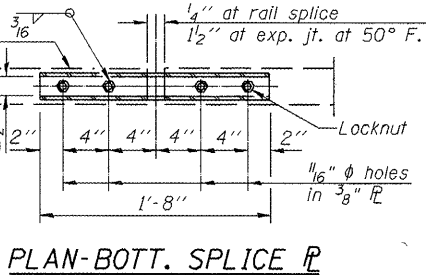
** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



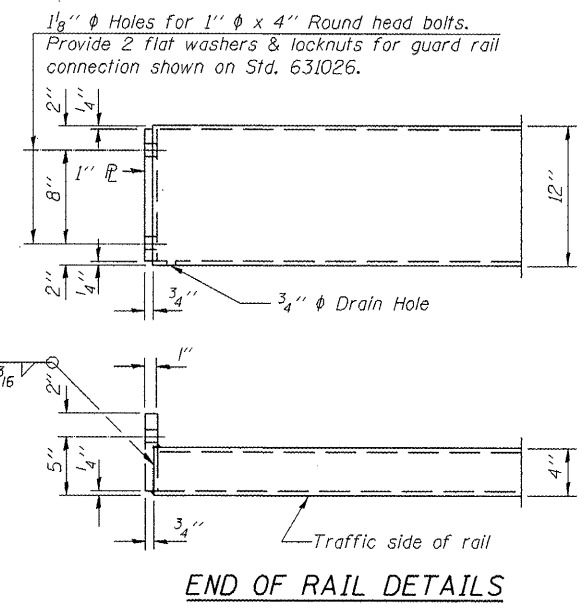
SECTIONS AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE PL TYPICAL



END OF RAIL DETAILS

BILL OF MATERIAL

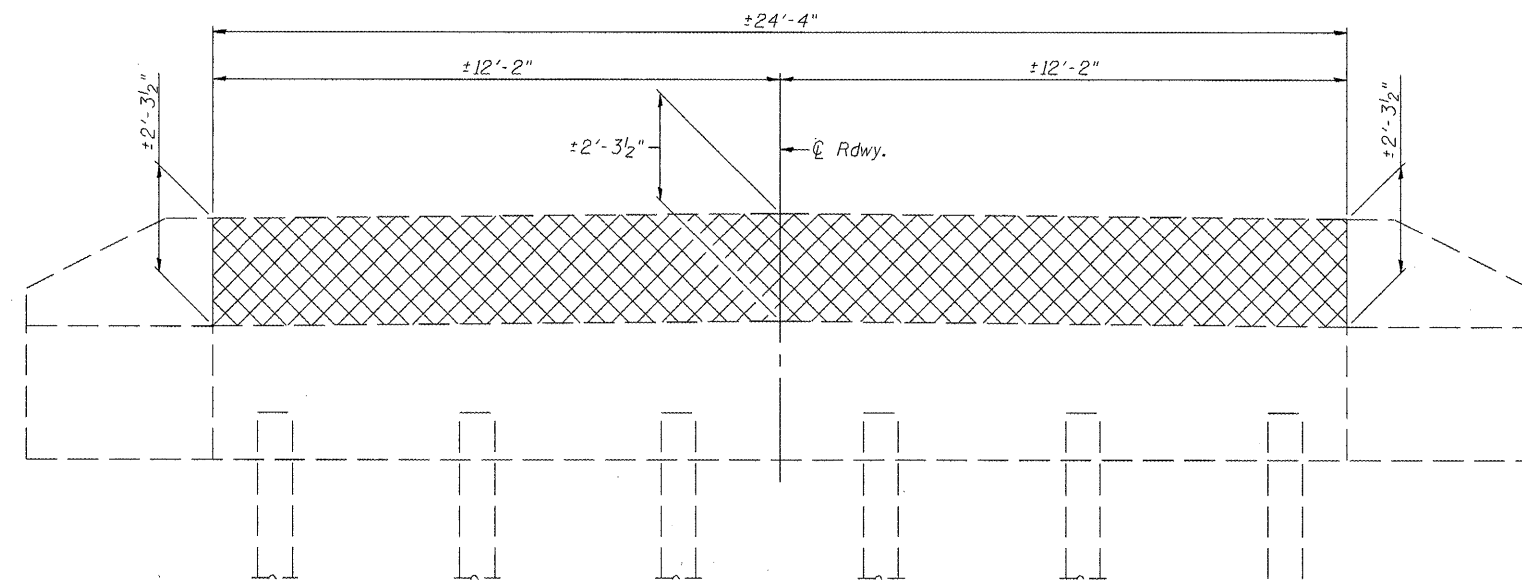
| Item | Unit | Quantity |
|-------------------------|------|----------|
| Steel Railing, Type S-1 | Foot | 988 |

STEEL RAILING, TYPE S-1
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

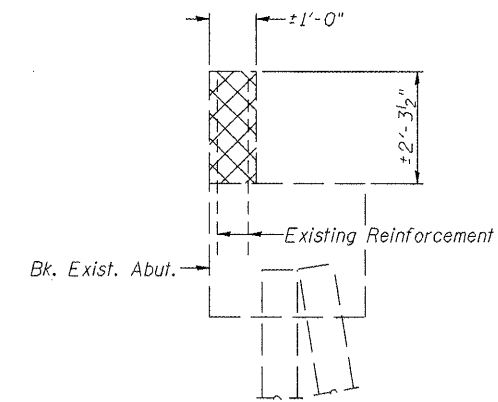
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|----------------------------|---------------------|--------------------|--------------------|-----------------|
| ROUTE NO. F.A.P. 744 | SECTION 108B-1-2 | COUNTY TAZEWELL | TOTAL SHEETS 29 | SHEET NO. 21 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | |

SHEET NO. 14
20 SHEETS

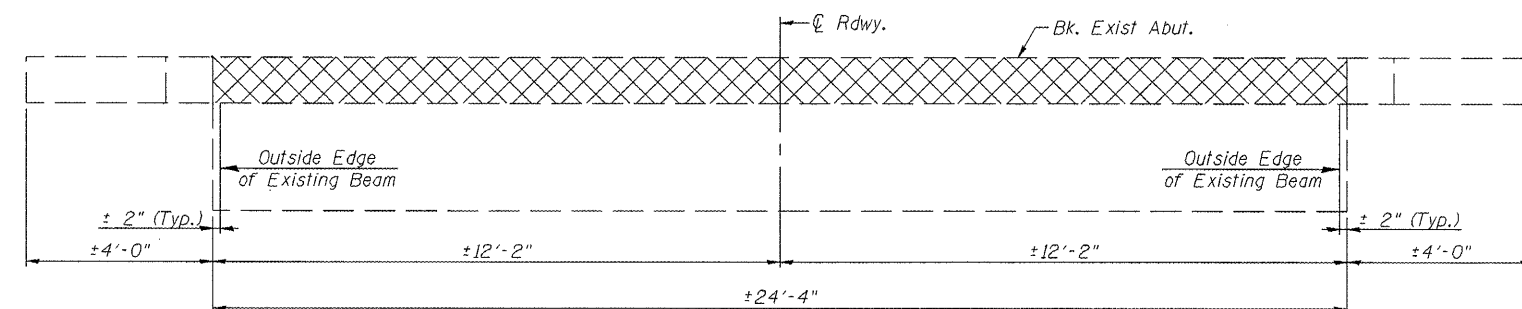
Contract # 68485



ELEVATION
(Looking South)



SECTION THRU ABUTMENT



PLAN

Note: Existing vertical Reinforcing steel to be cleaned, straightened, cut (if required), and incorporated into new construction. Damaged reinforcing steel shall be replaced or removed as directed by the Engineer. Cost included with "Concrete Removal".

BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|------------------|---------|----------|
| Concrete Removal | Cu. Yd. | 2.1 |

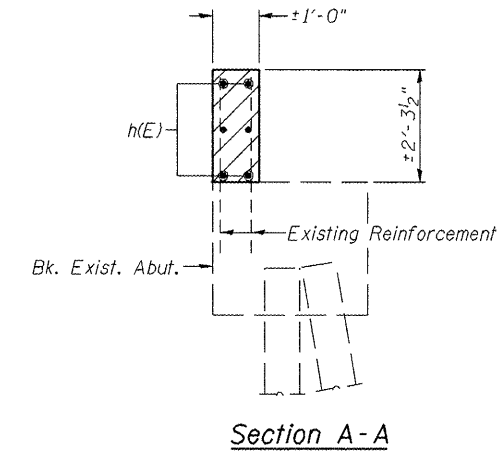
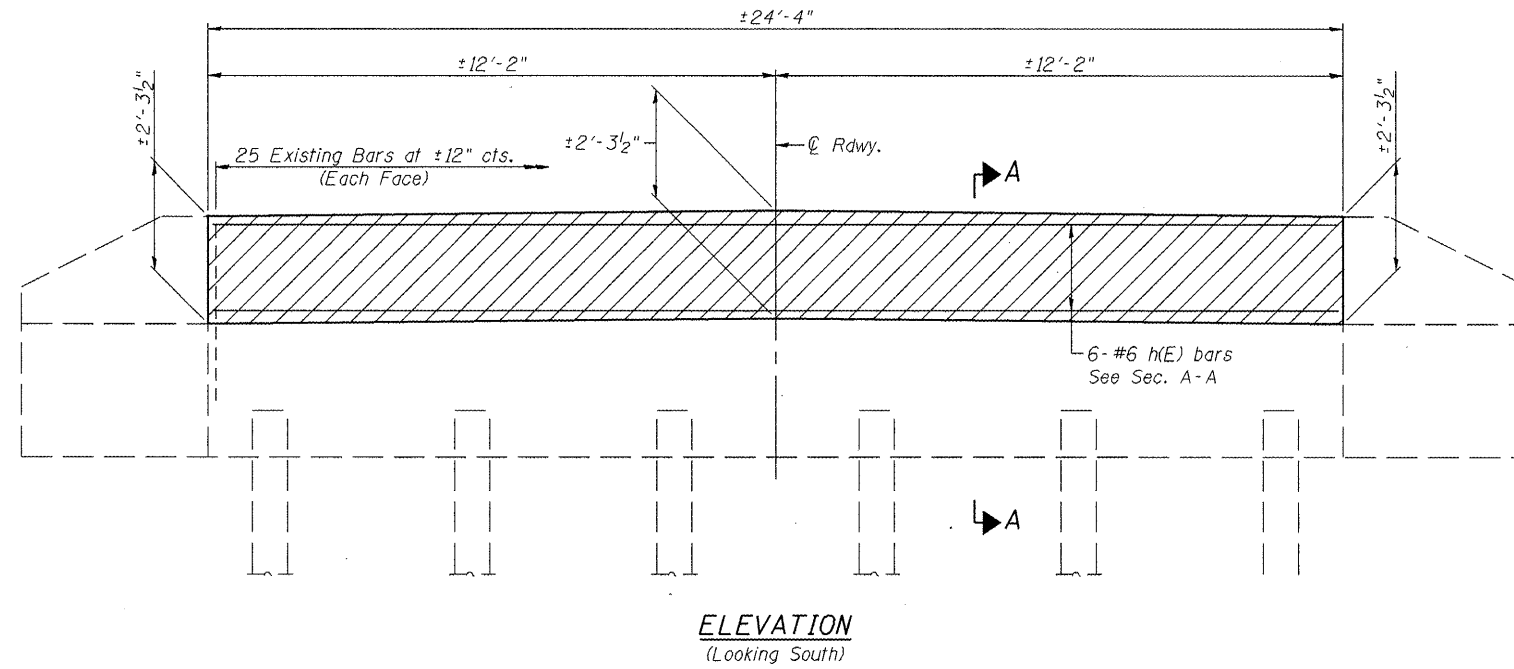
LEGEND

⊗ - Indicates Concrete Removal

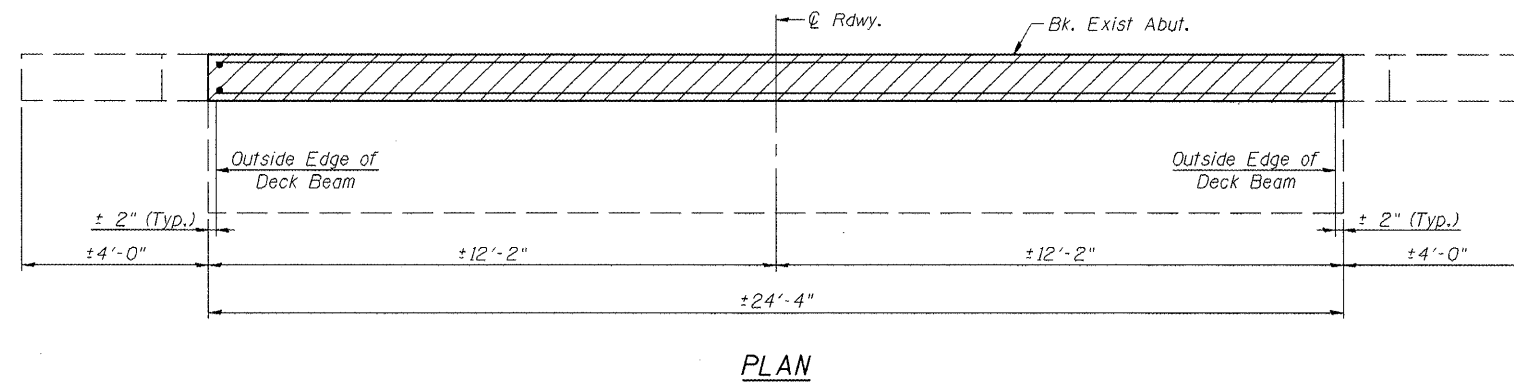
SOUTH ABUTMENT CONCRETE REMOVAL
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

| | | | | | |
|-----------------------|----------|------------------|--------|-------|-----------|
| ROUTE NO. | SECTION | COUNTY | SHEETS | SHEET | SHEET NO. |
| F.A.P. 744 | 108B-I-2 | TAZEWELL | 29 | 22 | 20 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 68485



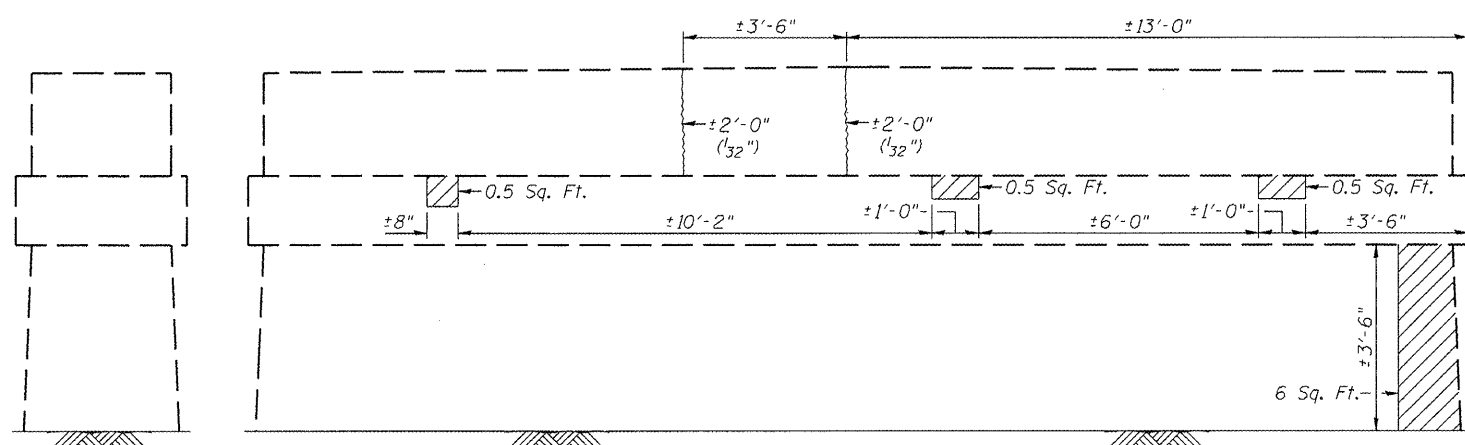
Note: Hatched area to be poured after beams are in place.



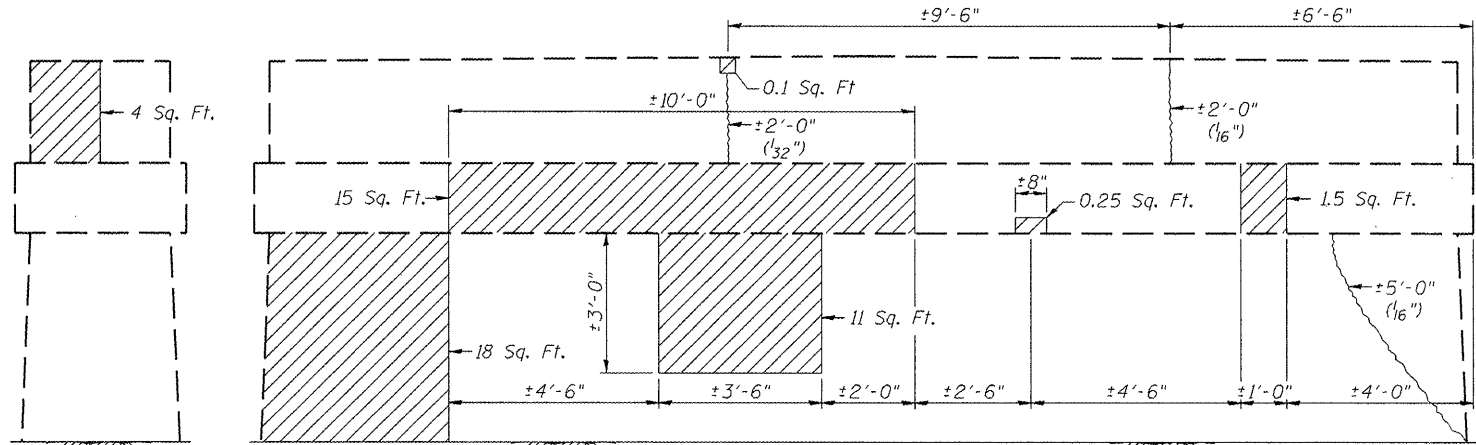
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|---------|-------|
| h(E) | 6 | #6 | 24'-0" | — |
| Reinforcement Bars, Epoxy Coated | | | Pound | 220 |
| Concrete Removal | | | Cu. Yd. | 2.1 |

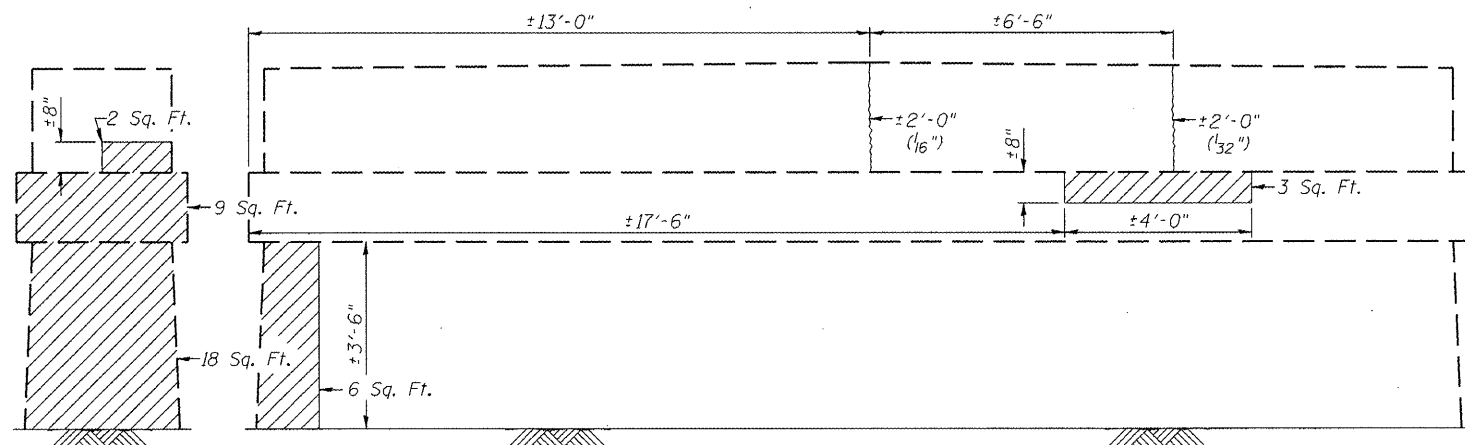
SOUTH ABUTMENT
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087



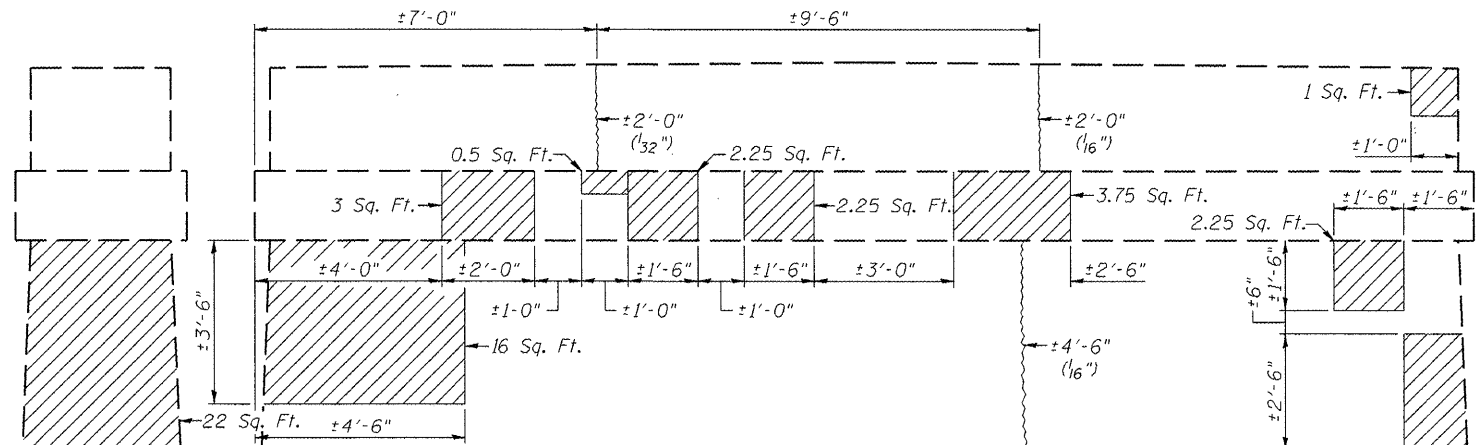
PIER 1 (NORTH SIDE)



PIER 2 (NORTH SIDE)



PIER 1 (SOUTH SIDE)



PIER 2 (SOUTH SIDE)

PIER 1 (EAST END)

PIER 2 (EAST END)

PIER 1 (WEST END)

PIER 2 (WEST END)

BILL OF MATERIAL

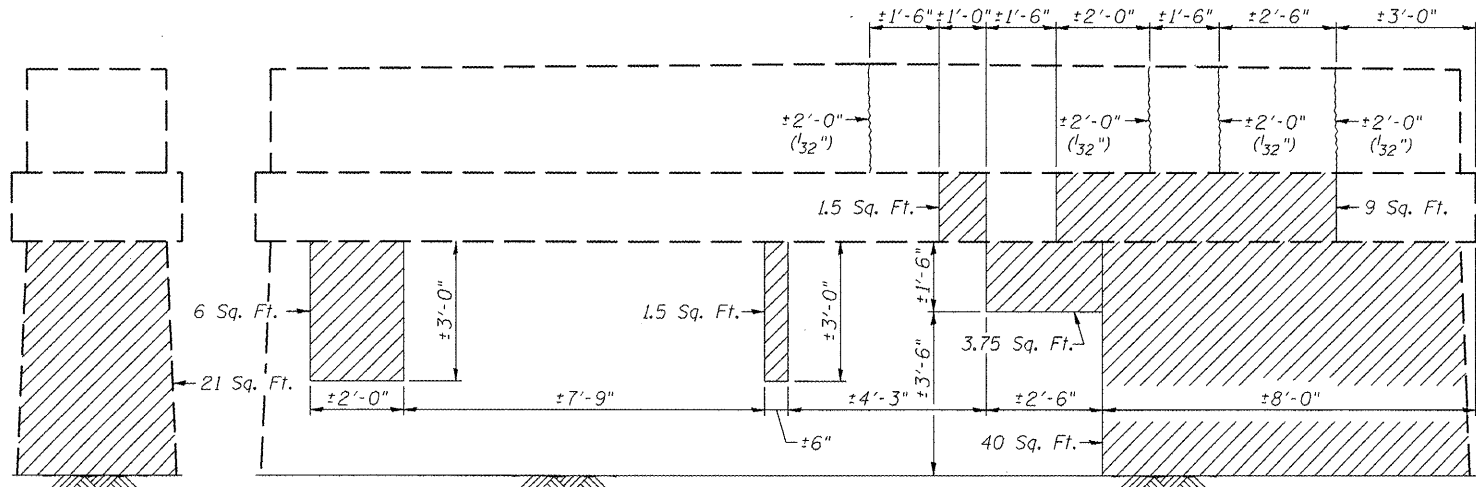
| ITEM | UNIT | QUANTITY |
|--|---------|----------|
| Structural Repair of Concrete (Depth Equal to or Less Than 5") | Sq. Ft. | 153 |
| Epoxy Crack Injection | Foot | 25.5 |

LEGEND

- Structural Repair of Concrete (Depth Equal to or Less Than 5")

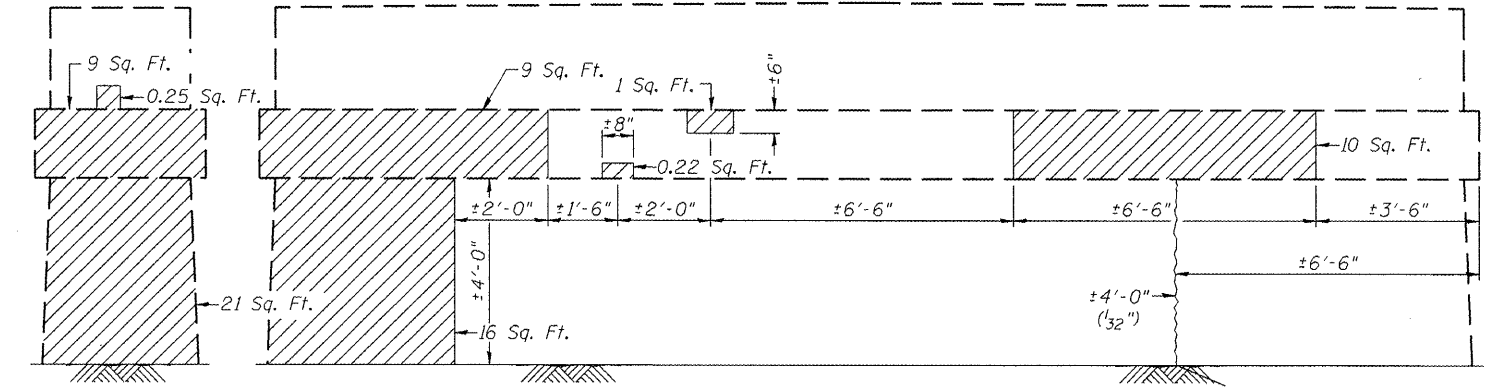
- Epoxy Crack Injection

PIERS 1 & 2 REPAIR
 F.A.S. ROUTE 744 (OLD IL 121)
 OVER MACKINAW RIVER
 SECTION 108B-1-2
 TAZEWELL COUNTY
 STATION 667+55.00
 STRUCTURE NO. 090-0087



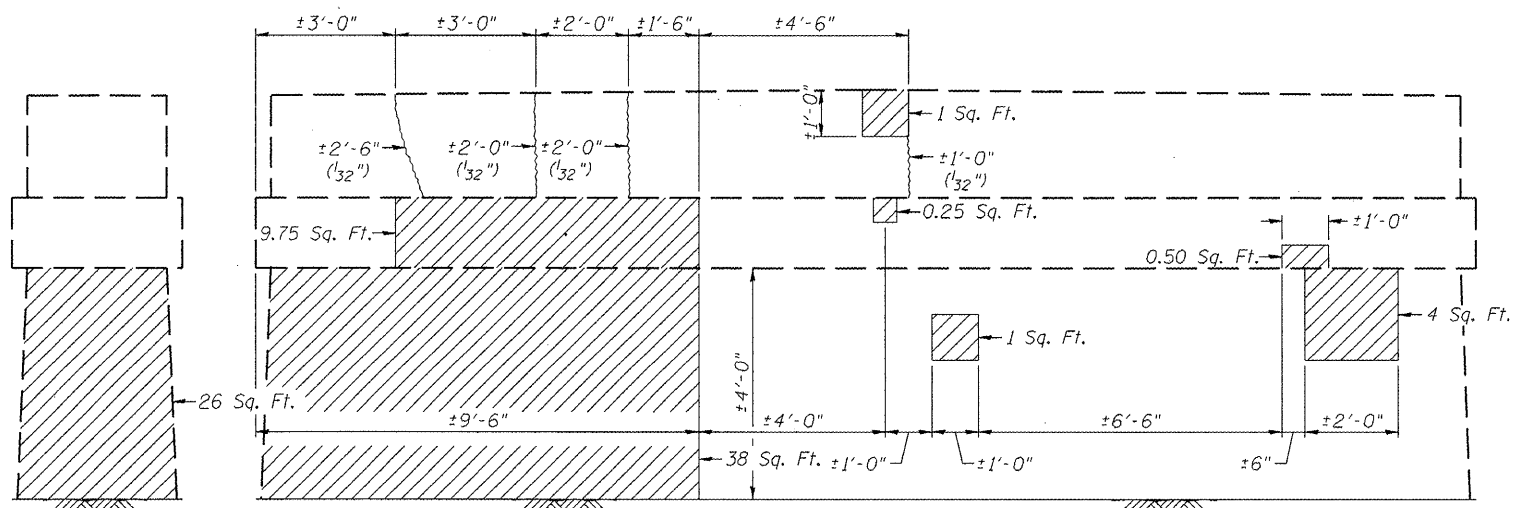
PIER 3
(EAST END)

PIER 3 (NORTH SIDE)



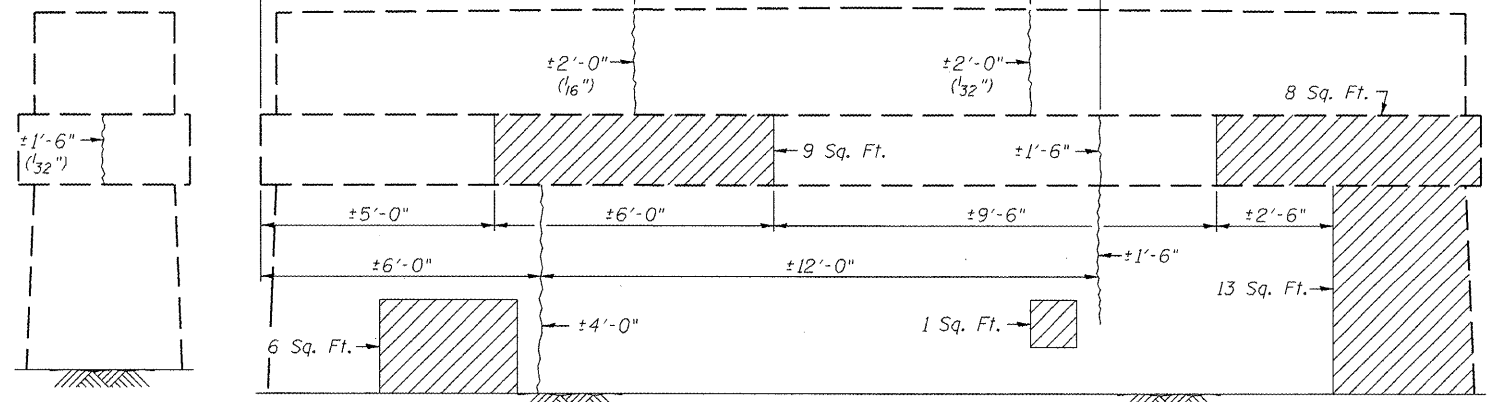
PIER 4
(EAST END)

PIER 4 (NORTH SIDE)



PIER 3
(WEST END)

PIER 3 (SOUTH SIDE)



PIER 4
(WEST END)

PIER 4 (SOUTH SIDE)

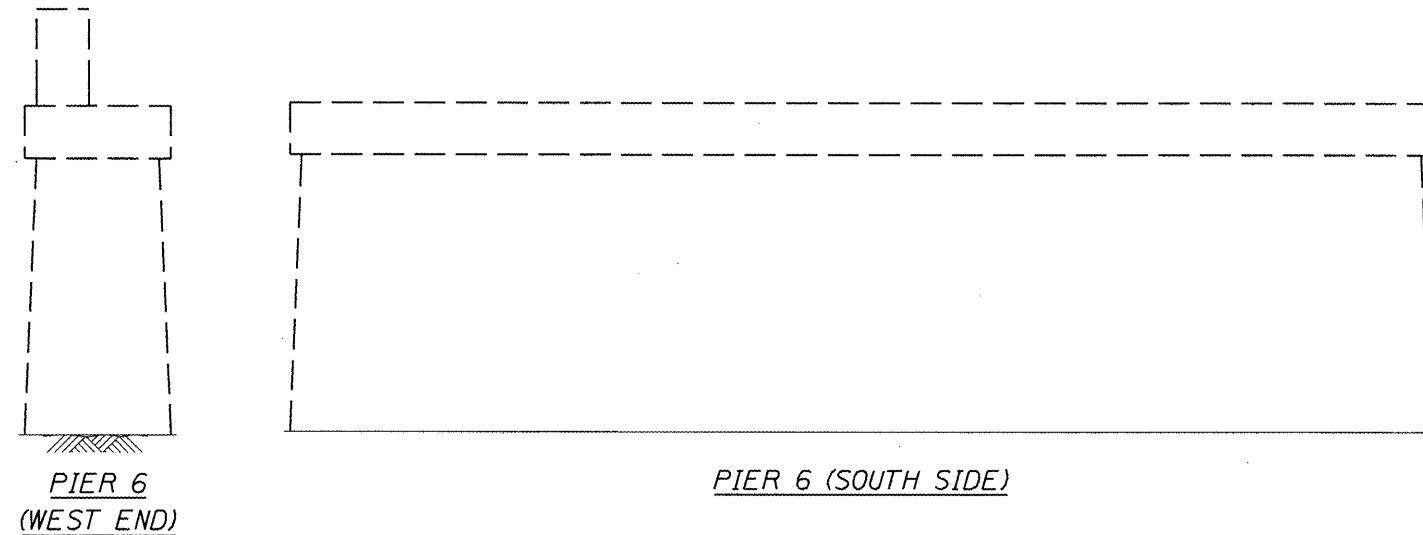
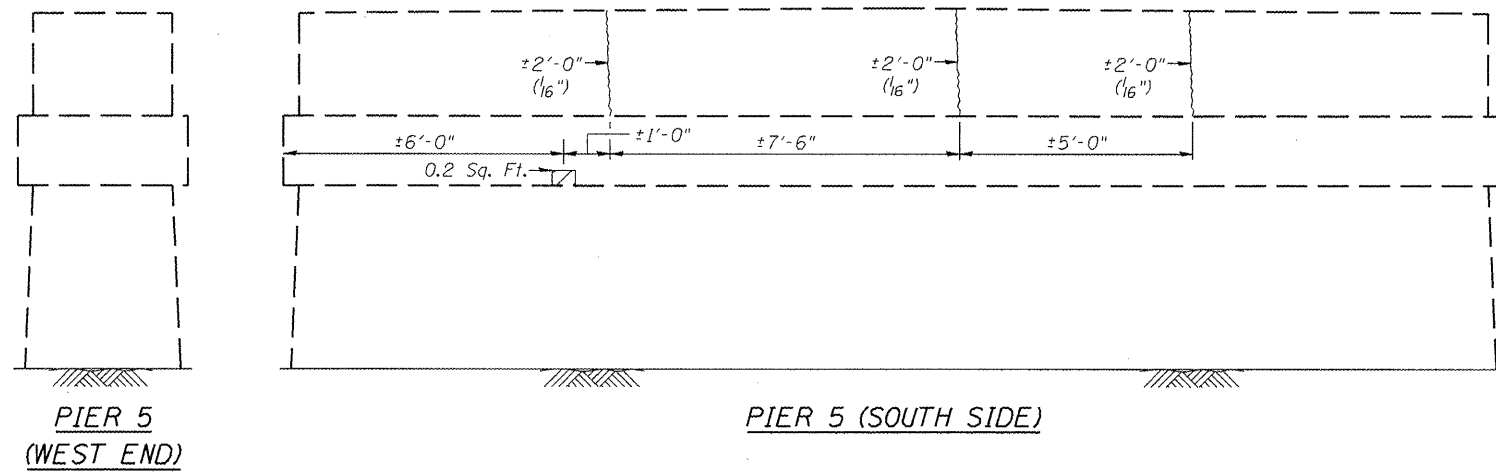
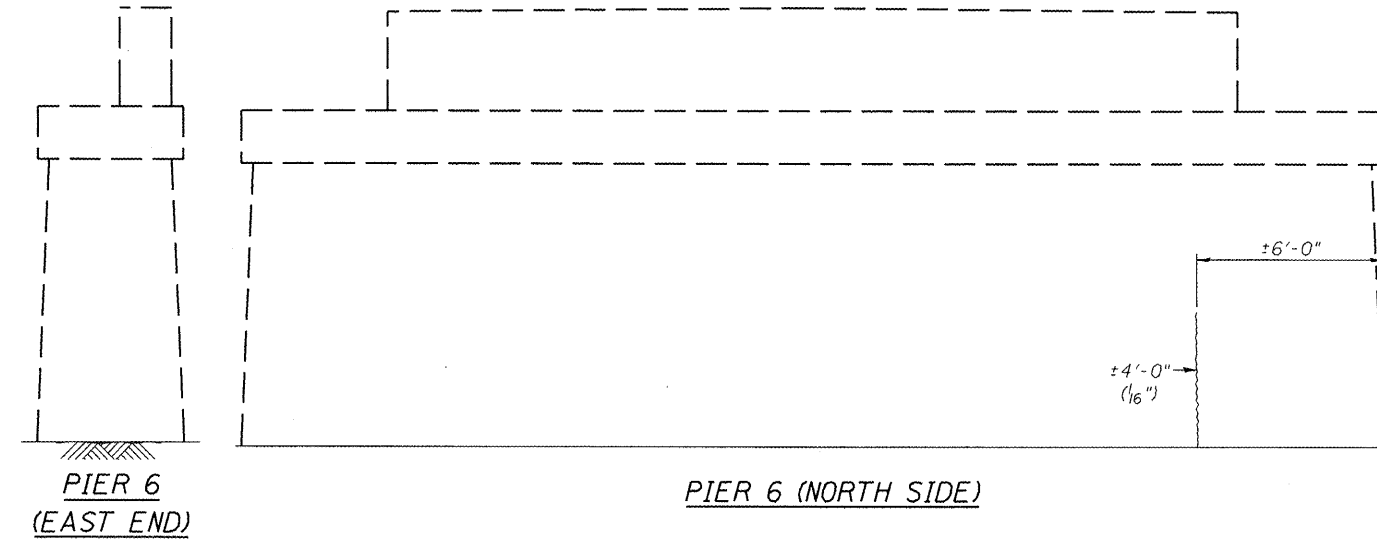
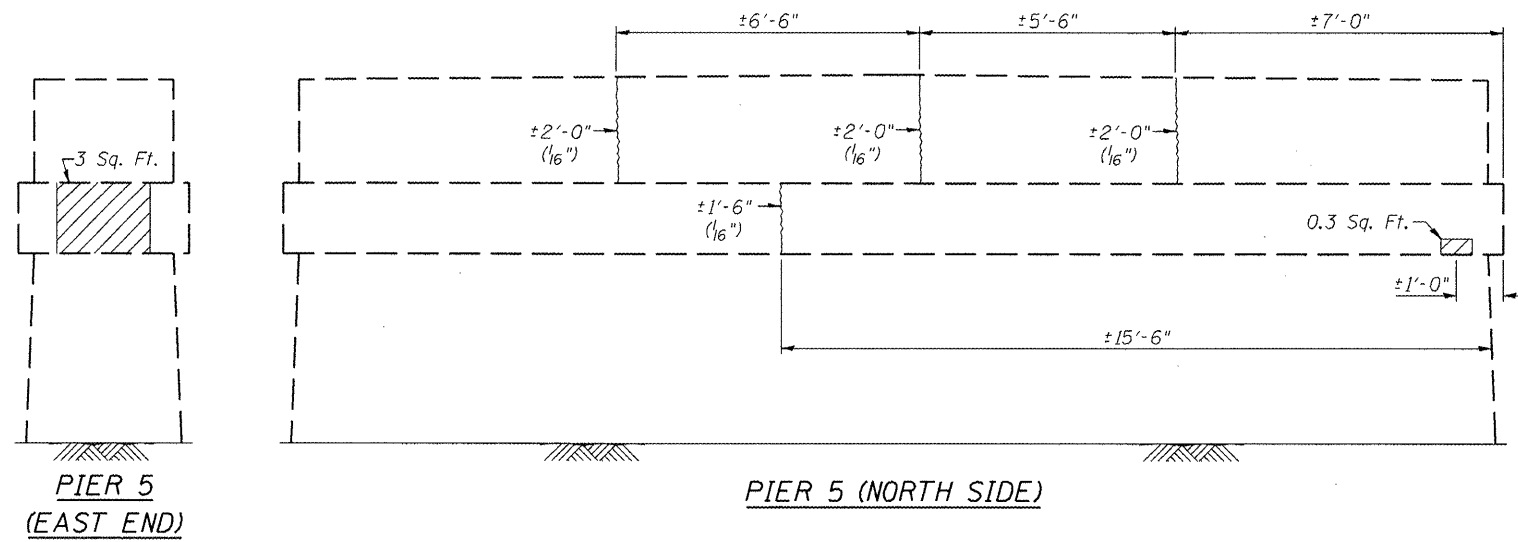
BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|---|---------|----------|
| Structural Repair of Concrete (Depth Equal to or Less Than 5") | Sq. Ft. | 266.5 |
| Epoxy Crack Injection | Foot | 32 |

LEGEND

- Structural Repair of Concrete
(Depth Equal to or Less Than 5")
- Epoxy Crack Injection

PIERS 3 & 4 REPAIR
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087



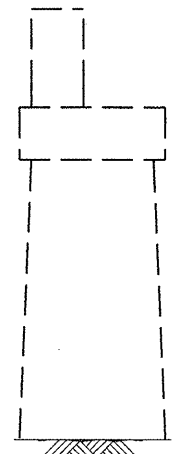
BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|---|---------|----------|
| Structural Repair of Concrete (Depth Equal to or Less Than 5") | Sq. Ft. | 3.5 |
| Epoxy Crack Injection | Foot | 17.5 |

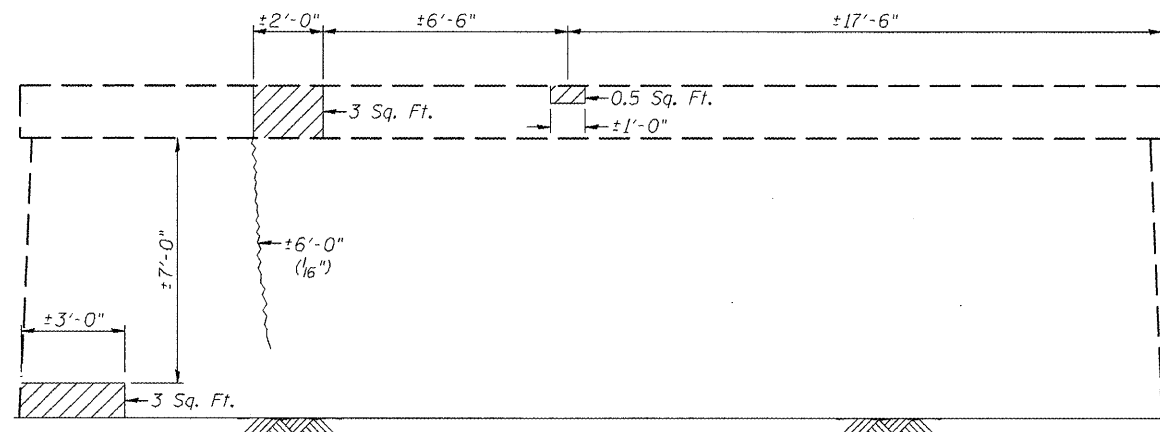
LEGEND

- Structural Repair of Concrete
(Depth Equal to or Less Than 5")
- Epoxy Crack Injection
(1/32")

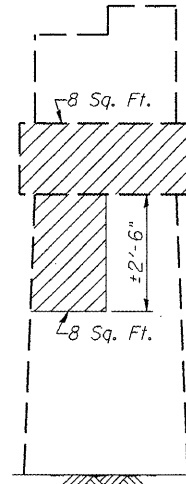
PIERS 5 & 6 REPAIR
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087



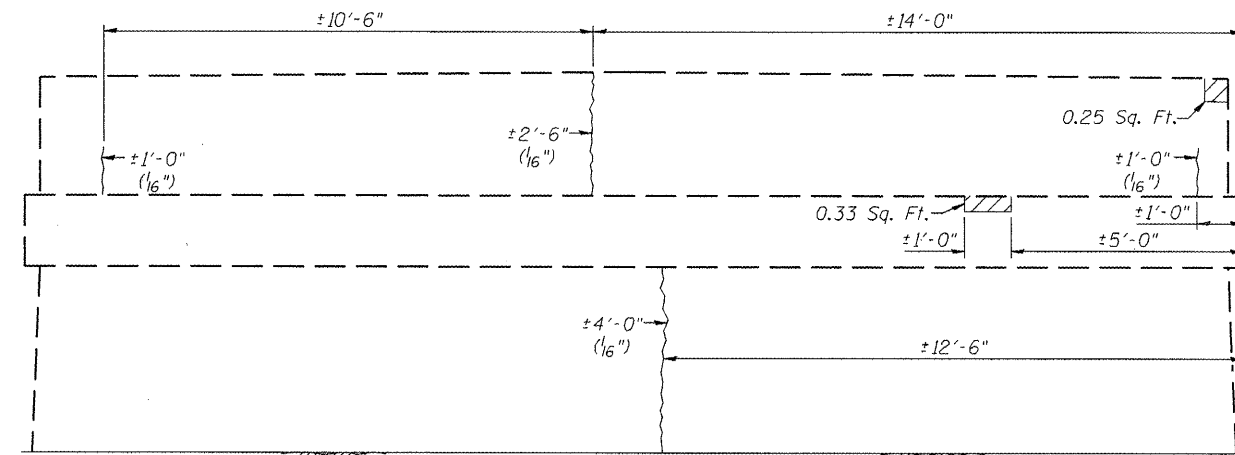
PIER 7
(EAST END)



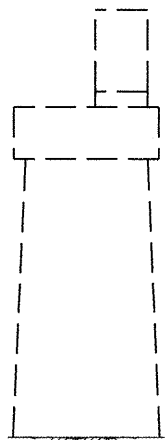
PIER 7 (NORTH SIDE)



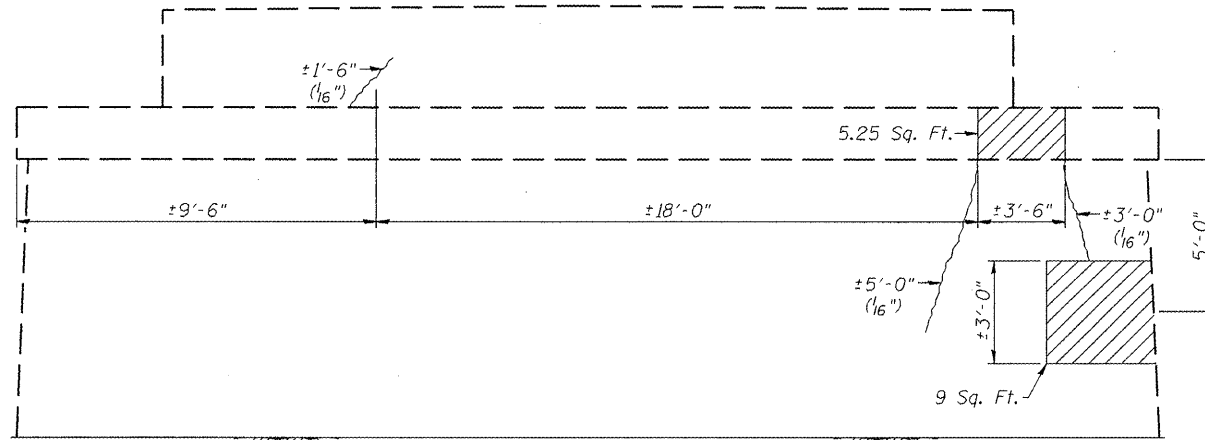
PIER 8
(EAST END)



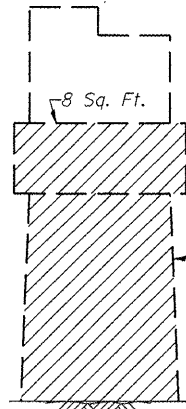
PIER 8 (NORTH SIDE)



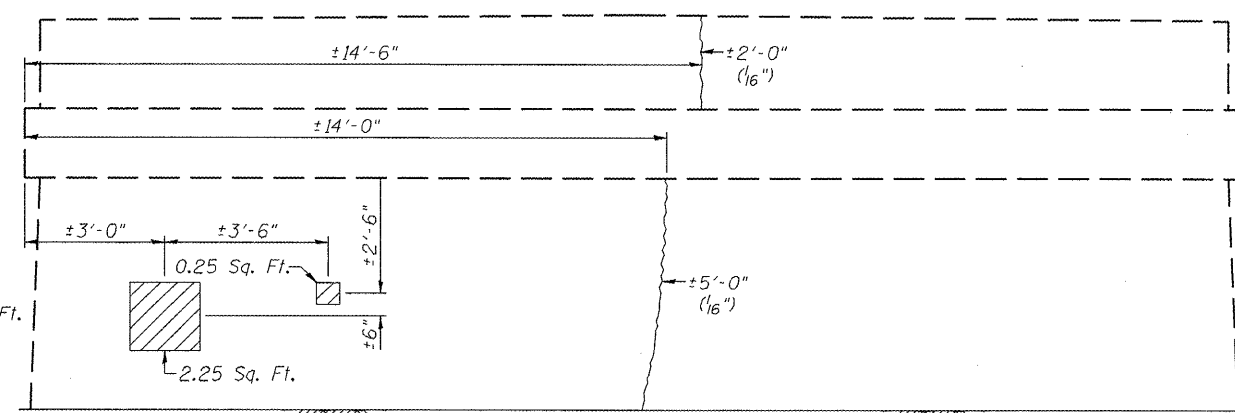
PIER 7
(WEST END)



PIER 7 (SOUTH SIDE)



PIER 8
(WEST END)



PIER 8 (SOUTH SIDE)

BILL OF MATERIAL

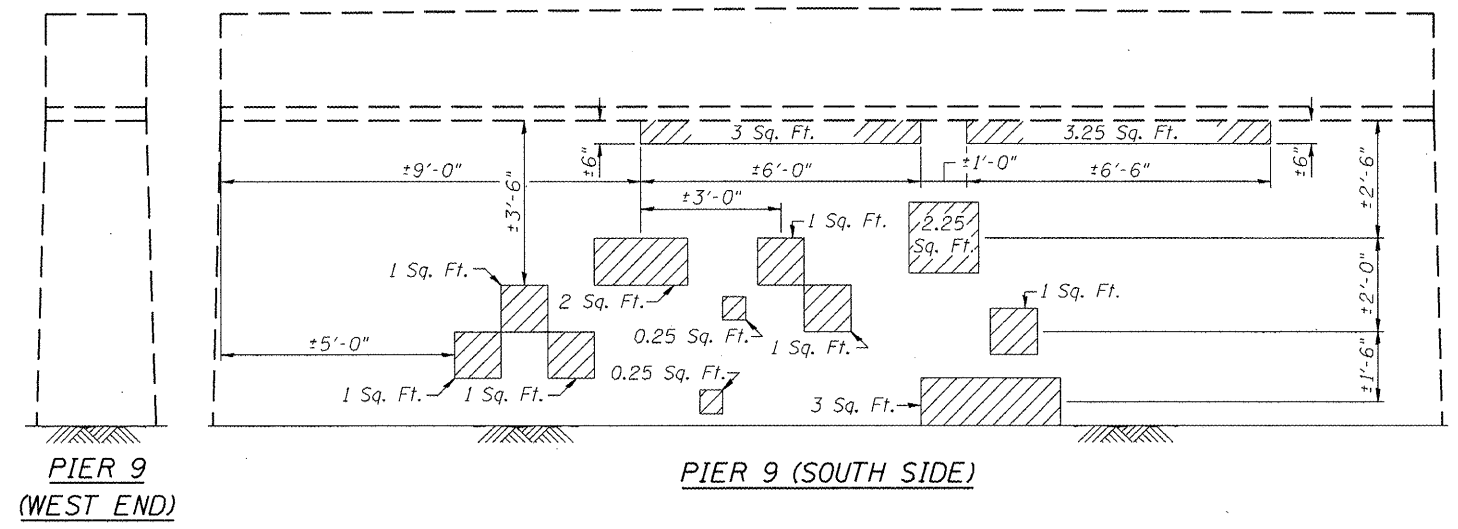
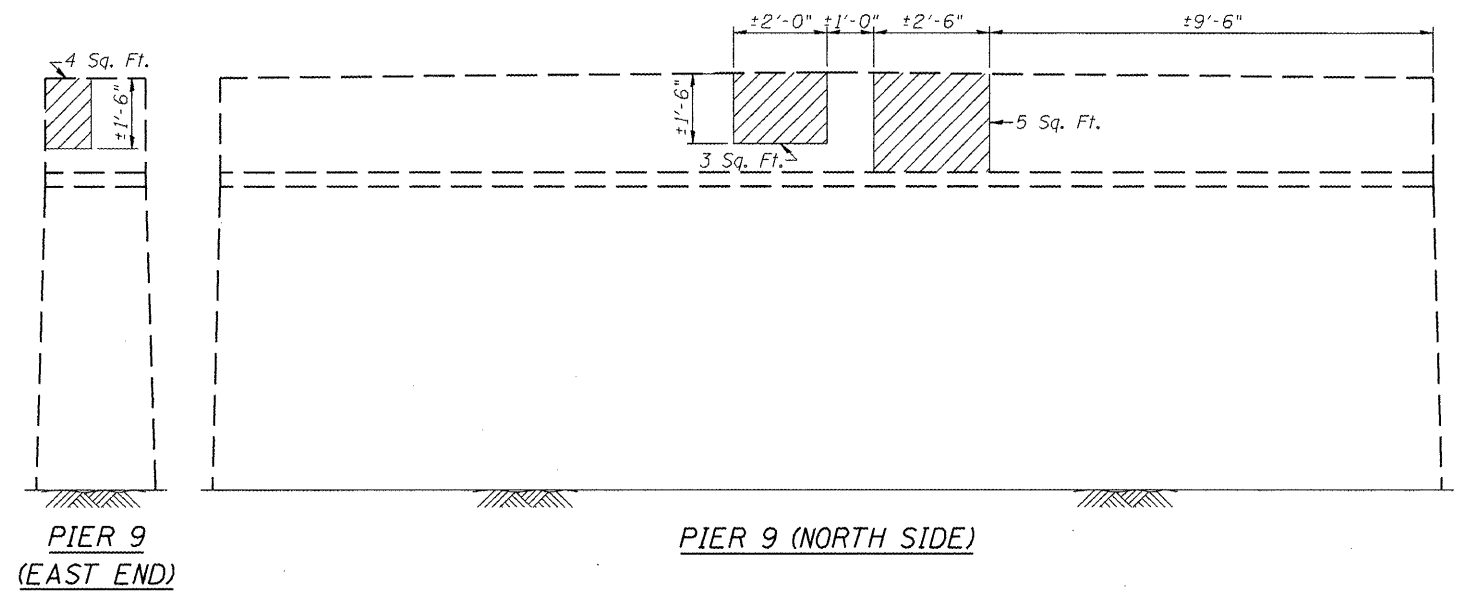
| ITEM | UNIT | QUANTITY |
|---|---------|----------|
| Structural Repair of Concrete (Depth Equal to or Less Than 5") | Sq. Ft. | 69 |
| Epoxy Crack Injection | Foot | 31 |

- LEGEND**
- Structural Repair of Concrete (Depth Equal to or Less Than 5")
 - Epoxy Crack Injection

PIERS 7 & 8 REPAIR
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-I-2
TAZEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

| | | | | | |
|----------------------------|---------------------|-------------------|--------------------|-----------------|---------------------------|
| ROUTE NO. F.A.P. 744 | SECTION 108B-1-2 | COUNTY TAEWELL | TOTAL SHEETS 29 | SHEET NO. 27 | SHEET NO. 20 20 SHEETS |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | | |

Contract # 68485



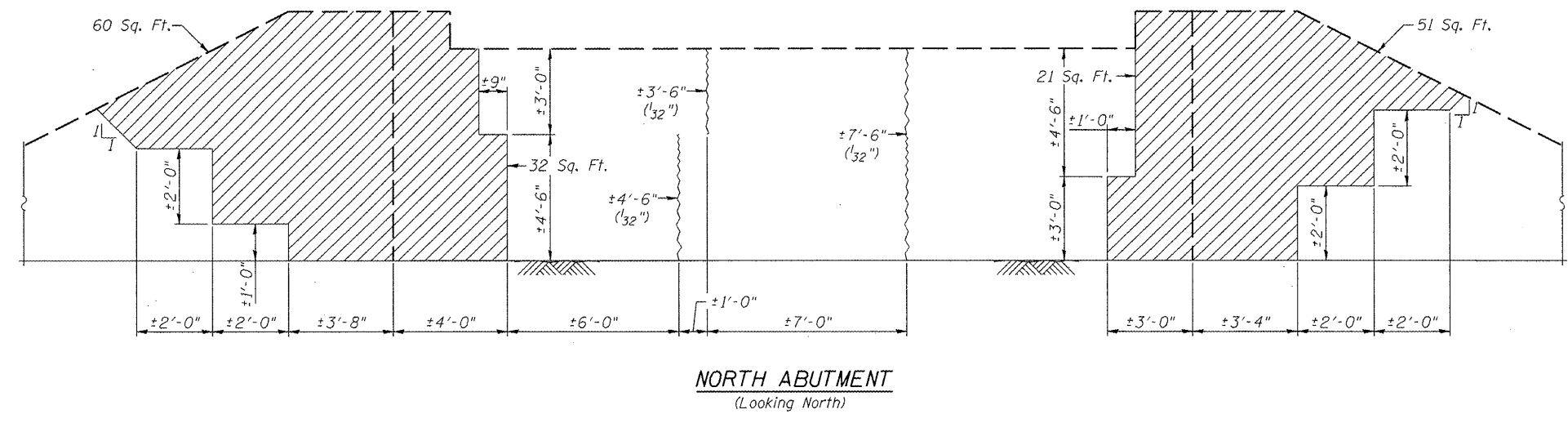
BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|---|---------|----------|
| Structural Repair of Concrete (Depth Equal to or Less Than 5") | Sq. Ft. | 196 |
| Epoxy Crack Injection | Foot | 15.5 |

LEGEND

- Structural Repair of Concrete
(Depth Equal to or Less Than 5")

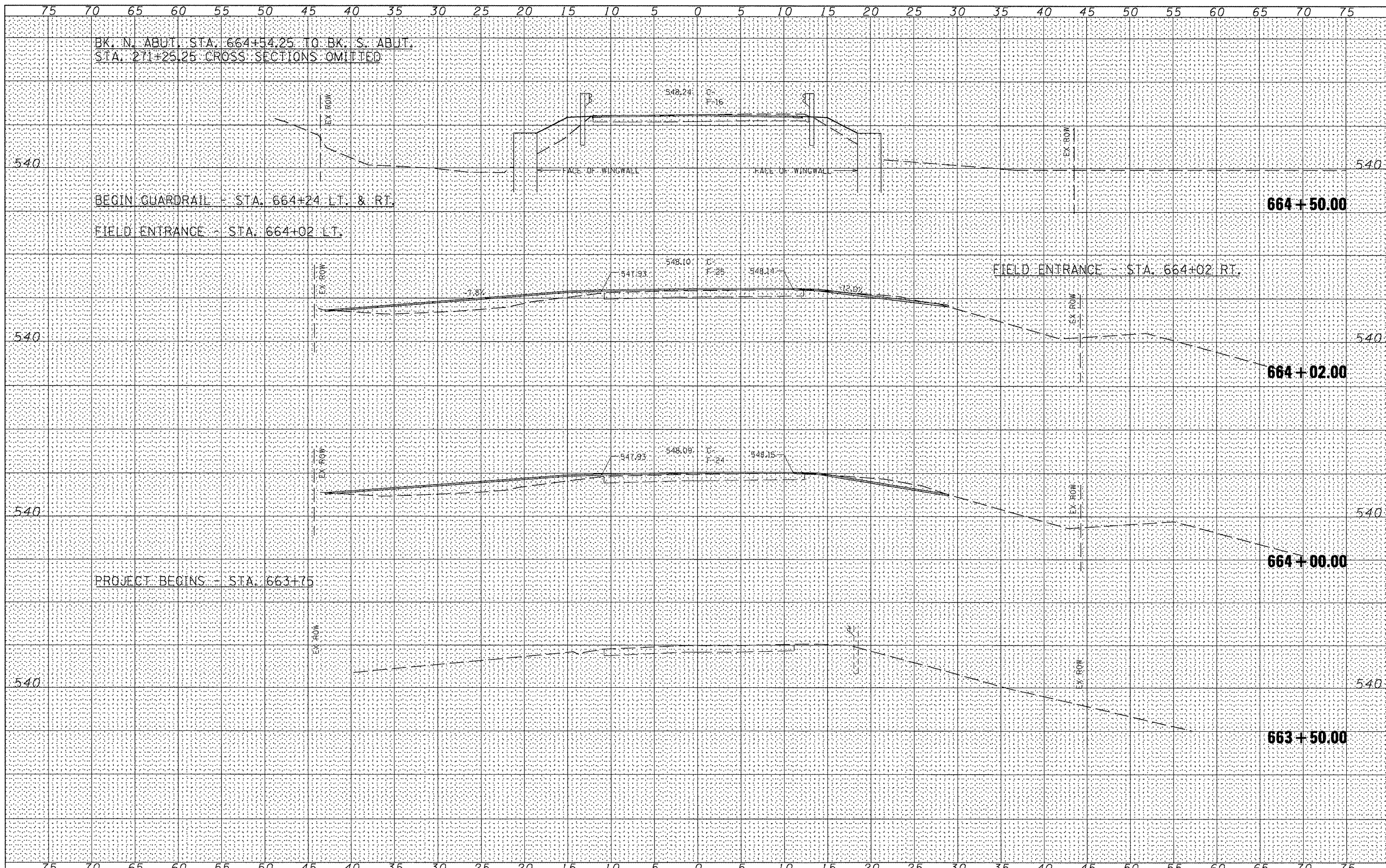
- Epoxy Crack Injection
($\frac{1}{32}$ ")



PIER 9 & N. ABUTMENT REPAIR
F.A.S. ROUTE 744 (OLD IL 121)
OVER MACKINAW RIVER
SECTION 108B-1-2
TAEWELL COUNTY
STATION 667+55.00
STRUCTURE NO. 090-0087

DATE _____
 BY _____
 SURVEYED _____
 SURVEY _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE _____
 BY _____
 ORIGINAL SURVEY _____
 SURVEY _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



BK. N. ABUT. STA. 664+54.25 TO BK. S. ABUT.
 STA. 271+25.25 CROSS SECTIONS OMITTED

BEGIN GUARDRAIL - STA. 664+24 LT. & RT.

FIELD ENTRANCE - STA. 664+02 LT.

FIELD ENTRANCE - STA. 664+02 RT.

PROJECT BEGINS - STA. 663+75

FILE NAME = _____
 #FILES# _____

| | | |
|----------------------|------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - |
| PLOT DATE = *DATE* | CHECKED - | REVISED - |
| | DATE - | REVISED - |



Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8083 IL Design Firm
 No. 184-001907

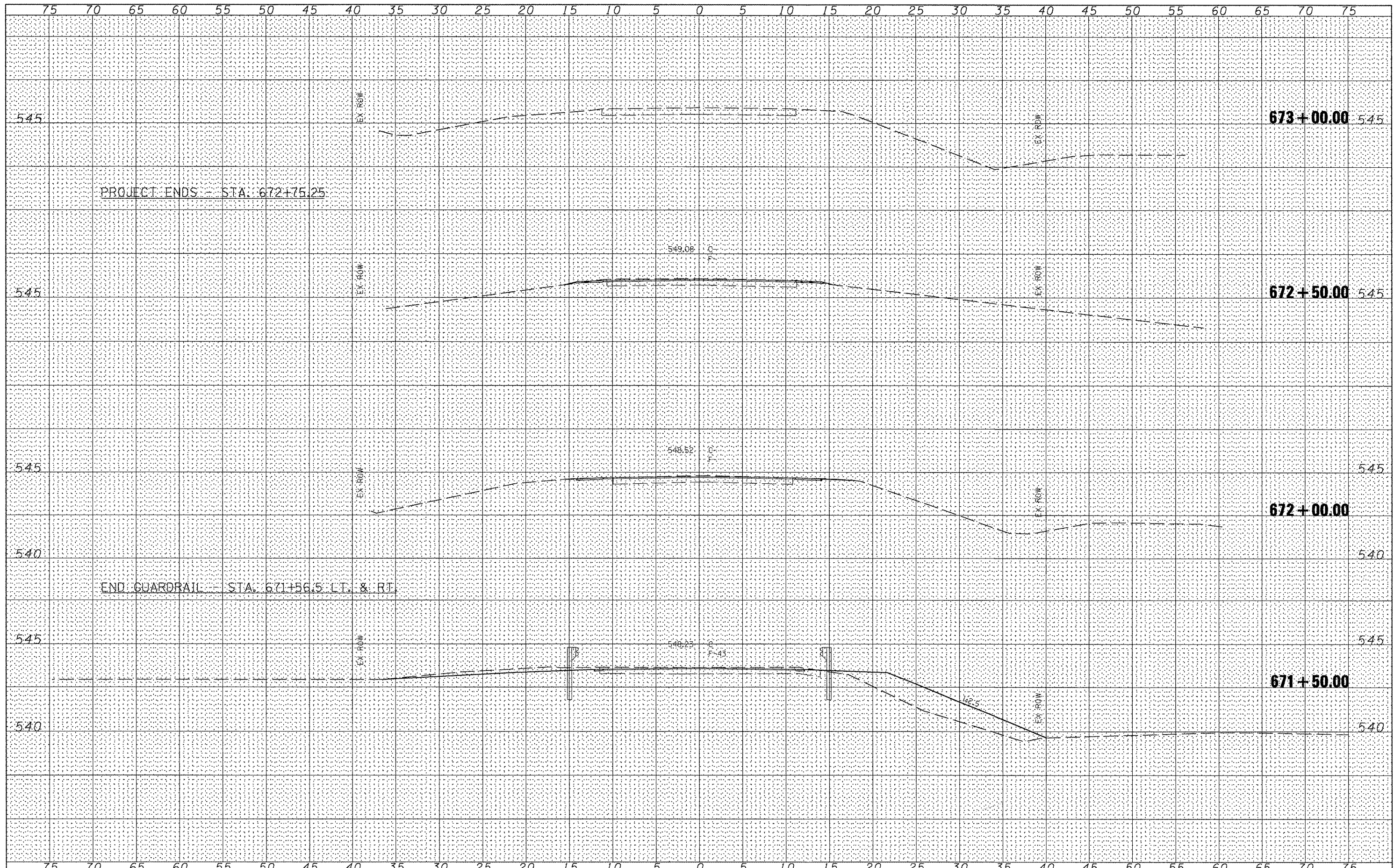
CROSS SECTIONS
 SCALE: _____ SHEET NO. OF SHEETS STA. 663+50.00 TO STA. 664+50.00


| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|----------|--------------|-----------|
| 477 | 108B-1-2 | TAZEWELL | 29 | 28 |
| CONTRACT NO. 68485 | | | | |

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

| | |
|-----------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

| | |
|-----------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |



| | | | | | | | | | | | | |
|-------------|----------------------|------------|-----------|--|-----------------------|---------------------------|----------------------------------|----------|------------------|--------------------|-----------|----|
| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62708 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| #FILES* | PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | SCALE: | SHEET NO. 29 OF 29 SHEETS | STA. 671+50.00 TO STA. 673+00.00 | 477 | 10BB-1-2 | TAZEWELL | 29 | 29 |
| | PLOT DATE = *DATE* | CHECKED - | REVISED - | | | | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | CONTRACT NO. 68485 | | |
| | | DATE - | REVISED - | | | | | | | | | |