

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

PROPOSED  
HIGHWAY PLANS

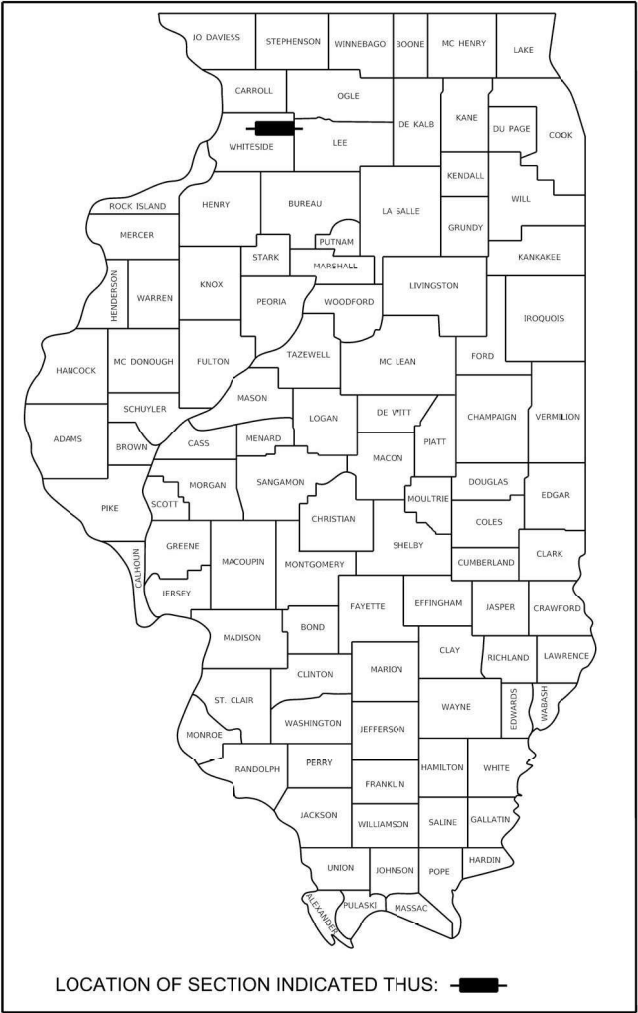
IDOT / IDNR STATEWIDE  
IDNR PARK ROADS  
SECTION: HC BRIDGE REPAIR  
BRIDGE DECK REPLACEMENT  
WHITESIDE COUNTY

C-30-011-25  
IDNR FILE No. 1-22-053

INDEX OF SHEETS

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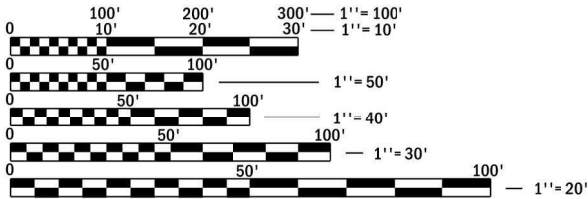
| RTE.   | SECTION          | COUNTY    | TOTAL SHEETS       | SHEET NO. |
|--------|------------------|-----------|--------------------|-----------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE | 37                 | 1         |
|        |                  | ILLINOIS  | CONTRACT No. 46944 |           |



LOCATION OF SECTION INDICATED THUS: [Symbol]

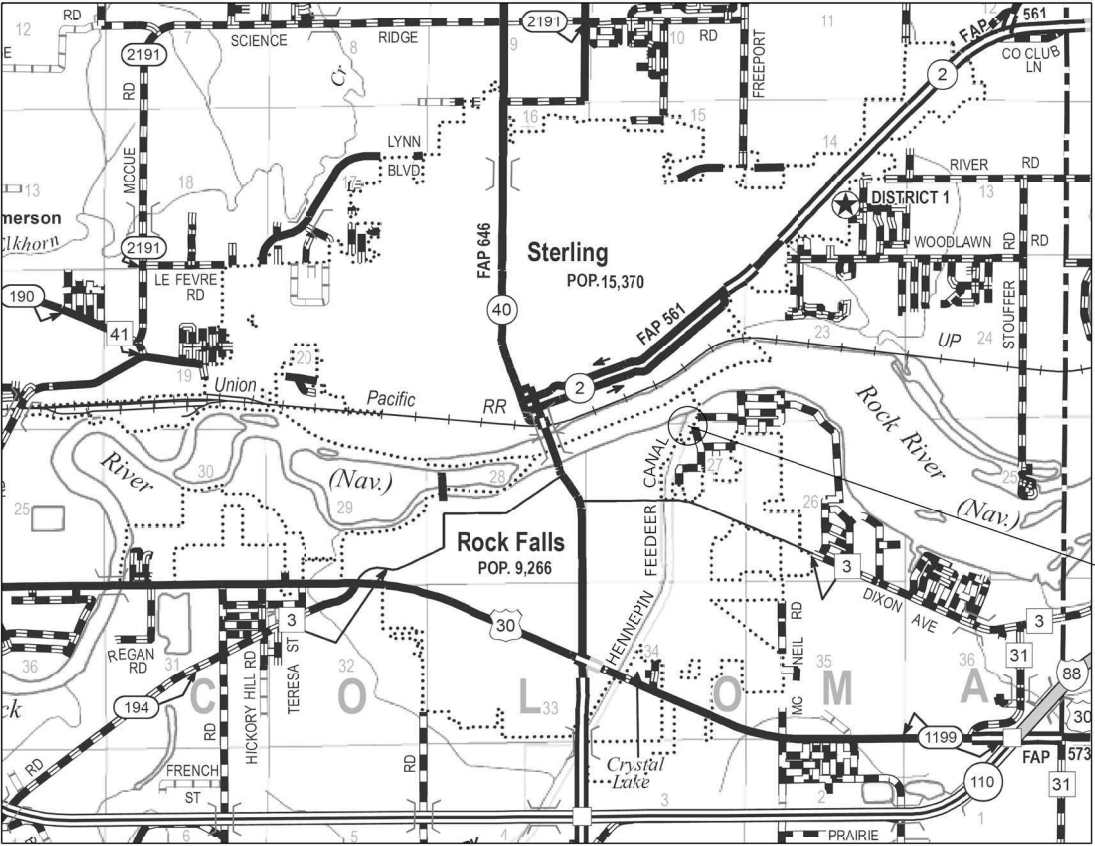


DATE: 8/22/2025  
ROBERT H. DALTON  
ILLINOIS PROFESSIONAL ENGINEER  
NO. 062-033925  
EXPIRATION DATE 11/30/2025



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 LOCATING INFORMATION FOR EXCAVATORS  
1 (800) 892-0123  
OR 811



PROJECT LOCATION  
C. STR. No. 098-3751  
STA 10+00.00  
SECOND STREET

LOCATION MAP



CONTRACT No. 46944

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

|  |                                |
|--|--------------------------------|
|  | EXISTING POWER POLE            |
|  | EXISTING GUY WIRE              |
|  | EXISTING SIGN                  |
|  | EXISTING WOOD POST             |
|  | EXISTING FENCE POST            |
|  | EXISTING MAILBOX               |
|  | EXISTING DECIDUOUS TREE        |
|  | EXISTING EVERGREEN TREE        |
|  | EXISTING BUSH                  |
|  | EXISTING JUNCTION BOX          |
|  | EXISTING ELECTRIC SPLICE BOX   |
|  | EXISTING TELEPHONE SPLICE BOX  |
|  | EXISTING WATER VALVE           |
|  | EXISTING CATCH BASIN           |
|  | EXISTING MANHOLE               |
|  | EXISTING END SECTION           |
|  | EXISTING PARKING BLOCK         |
|  | EXISTING A.D.A. PARKING SYMBOL |
|  | EXISTING RIPRAP                |
|  | EXISTING FENCE LINE            |
|  | EXISTING DITCH LINE            |
|  | EXISTING GUARD RAIL            |
|  | EXISTING CONTOURS              |
|  | EXISTING TREE LINE             |
|  | EXISTING BUILDING LIMITS       |
|  | EXISTING CULVERT               |
|  | SOIL BORINGS                   |
|  | PROPOSED SILT FENCE            |

|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| 000001-08   | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                                               |
| 001001-02   | AREAS OF REINFORCEMENT BARS                                                                |
| 001006      | DECIMAL OF AN INCH AND OF A FOOT                                                           |
| 280001-07   | TEMPORARY EROSION CONTROL SYSTEMS                                                          |
| 515001-04   | NAME PLATE FOR BRIDGES                                                                     |
| 542401-04   | METAL FLARED END SECTION FOR PIPE CULVERTS                                                 |
| 602301-04   | INLET - TYPE A                                                                             |
| 602306-03   | INLET - TYPE B                                                                             |
| 602601-06   | PRECAST REINFORCED CONCRETE FLAT SLAB TOP                                                  |
| 602701-02   | MANHOLE STEPS                                                                              |
| 604001-05   | FRAME AND LIDS TYPE 1                                                                      |
| 604011-05   | FRAME AND GRATE TYPE 3V                                                                    |
| 606001-08   | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER                              |
| 630001-13   | STEEL PLATE BEAM GUARDRAIL                                                                 |
| 630116      | BACKSIDE PROTECTION OF GUARDRAIL                                                           |
| 630201-07   | PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL                                      |
| 631026-06   | TRAFFIC BARRIER TERMINAL, TYPE 5                                                           |
| 631031-18   | TRAFFIC BARRIER TERMINAL, TYPE 6                                                           |
| 701901-10   | TRAFFIC CONTROL DEVICES                                                                    |
| B.L.R. 17-4 | TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION                                           |
| B.L.R. 21-9 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES<br>FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |

|                                      |                          |
|--------------------------------------|--------------------------|
| BITUMINOUS MATERIALS (PRIME COAT)    | 0.25 LB / SQ FT          |
| BITUMINOUS MATERIALS (TACK COAT)     | 0.10 LB / SQ FT          |
| BITUMINOUS CONCRETE SURFACE / BINDER | 0.056 TON / SQ YD / INCH |

|                                             |                    |                |
|---------------------------------------------|--------------------|----------------|
| LOCATION(S):                                | HMA                |                |
| MIXTURE USE(S):                             | BINDER COURSE      | SURFACE COURSE |
| PG:                                         | PG58-28            | PG58-28        |
| DESIGN AIR VOIDS:                           | 4.0% @ N50         | 4.0% @ N50     |
| MIXTURE COMPOSITION<br>(MIXTURE GRADATION): | IL-9.5             | IL-9.5FG       |
| FRICTION AGGREGATE:                         | N/A                | MIX "C"        |
| MIXTURE WEIGHT:                             | 112 LBS/SO YD/INCH |                |
| QUALITY MANAGEMENT PROGRAM:                 | OCOA               |                |

- 1) SPECIFICATIONS SHALL BE THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022.
- 2) ALL ELEVATIONS ARE REFERENCED TO ELEVATIONS ESTABLISHED BY OTHERS.
- 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 AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT, THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
- 4) THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS) TO HAVE PUBLIC AND PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS (800) 392-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
- 6) ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS INCLUDED IN THESE PLANS.
- 7) ALL DETAILS IN THE PLANS SHALL GOVERN CONSTRUCTION OF THIS PROJECT, AND IN CASE OF CONFLICT WITH ANY STANDARD DRAWINGS INCLUDED, THE SAID DETAILS SHALL TAKE PRECEDENCE AND GOVERN.
- 8) THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, IDENMIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 9) ALL CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10) ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPIILING OUTSIDE THE LIMITS OF CONSTRUCTION.
- 11) THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING MIX SHALL BE "SEEDING, CLASS 1B". FERTILIZER AND CLASS 7 SEEDING SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED, PRIOR TO FINAL SEEDING, AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. MULCH METHOD I SHALL BE APPLIED OVER ALL SEEDED AREAS.
- 12) THE BASELINES SHOWN THROUGHOUT THE PLANS ARE A "BEST FIT" ALIGNMENT OF THE CENTER OF THE EXISTING ROADWAYS FOR THE PURPOSE OF STATIONING AND DETERMINATION OF OFFSETS. IN MOST CASES, IT DOES NOT REPRESENT THE PHYSICAL CENTER OF THE EXISTING ROADWAY SURFACE.
- 13) FOR THE EXCAVATION NECESSARY TO WIDEN THE ROADS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO MAKE A DETERMINATION AS TO THE WIDTH OF EXCAVATION NECESSARY TO ACHIEVE A STABLE BASE FOR THE WIDENED ROAD SURFACE.





MODEL: Default  
FILE NAME: J:\07000702.DOT\ENR-Pkwy-Roads\0702-001-0008-PT0207-055-W08-Hennepin-Feeder-Canal-Design-and-Planning\CADD\CAD-Sheets\0702000702-001-0007-502.dgn



|                             |                    |           |
|-----------------------------|--------------------|-----------|
| USER NAME = joegue          | DESIGNED = DHC/JEB | REVISED = |
|                             | DRAWN = JEB        | REVISED = |
| PLOT SCALE = 40.0000' / in. | CHECKED = MAH/RHD  | REVISED = |
| PLOT DATE = 9/4/2025        | DATE = 8/22/2025   | REVISED = |

\* DENOTES SPECIAL PROVISION

|          |                                                        |       |                | 100% STATE        |               |
|----------|--------------------------------------------------------|-------|----------------|-------------------|---------------|
|          |                                                        |       |                | CONSTRUCTION CODE |               |
| CODE NO. | ITEM                                                   | UNIT  | TOTAL QUANTITY | ROADWAY           | BRIDGE        |
|          |                                                        |       |                | 0013              | 0013          |
|          |                                                        |       |                | 2nd STREET        | S.N. 098-3751 |
| 31102600 | SUBBASE GRANULAR MATERIAL, TYPE C 9"                   | SQ YD | 150            | 150               |               |
| 35101100 | AGGREGATE BASE COURSE, TYPE A 12"                      | SQ YD | 730            | 730               |               |
| 40200500 | AGGREGATE SURFACE COURSE, TYPE A 6"                    | SQ YD | 180            | 180               |               |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT)                      | POUND | 1643           | 1643              |               |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT)                       | POUND | 730            | 730               |               |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT           | SQ YD | 31             | 31                |               |
| 40602978 | HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50            | TON   | 57             | 57                |               |
| 40604000 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50 | TON   | 57             | 57                |               |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH               | SQ FT | 1363           | 1363              |               |
| 44000600 | SIDEWALK REMOVAL                                       | SQ FT | 1376           | 1376              |               |
| 48203021 | HOT-MIX ASPHALT SHOULDERS, 6"                          | SQ YD | 150            | 150               |               |
| 50101500 | REMOVAL OF EXISTING SUPERSTRUCTURES                    | EACH  | 1              |                   | 1             |
| 50102400 | CONCRETE REMOVAL                                       | CU YD | 11.1           |                   | 11.1          |
| 50200100 | STRUCTURE EXCAVATION                                   | CU YD | 20.4           |                   | 20.4          |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

| SUMMARY OF QUANTITIES                 |                     |              |                  |
|---------------------------------------|---------------------|--------------|------------------|
| 2nd STREET OVER HENNEPIN FEEDER CANAL |                     |              |                  |
| SCALE: NA                             | SHEET 2 OF 5 SHEETS | STA. 8+00.00 | TO STA. 12+00.00 |

| RTE.                      | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|-----------|--------------|-----------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 4         |
| CONTRACT NO. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

MODEL: Default  
FILE NAME: \\p01pc-fs1\aspswe01\0010102.DOT\DMR Phk-Roads\0102-0001-0008 RTE207\_035\_W08 Hennepin Feeder Canal Design and Plan\001CADD\CAD Sheets\0246944.sht 003-007 5x0.dgn



|                              |                    |           |
|------------------------------|--------------------|-----------|
| USER NAME = joegue           | DESIGNED = JEB/DHC | REVISED = |
|                              | DRAWN = JEB        | REVISED = |
| PLOT SCALE = 40.0000 ' / in. | CHECKED = RHD/MAH  | REVISED = |
| PLOT DATE = 8/25/2025        | DATE = 8/22/2025   | REVISED = |

|                    |           |
|--------------------|-----------|
| DESIGNED = JEB/DHC | REVISED = |
| DRAWN = JEB        | REVISED = |
| CHECKED = RHD/MAH  | REVISED = |
| DATE = 8/22/2025   | REVISED = |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

| SUMMARY OF QUANTITIES                 |                     |              |                  |
|---------------------------------------|---------------------|--------------|------------------|
| 2nd STREET OVER HENNEPIN FEEDER CANAL |                     |              |                  |
| SCALE: NA                             | SHEET 3 OF 5 SHEETS | STA. 8+00.00 | TO STA. 12+00.00 |

| RT.                       | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|-----------|--------------|-----------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 5         |
| CONTRACT NO. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

| 100% STATE        |                                                     |       |                |            |               |
|-------------------|-----------------------------------------------------|-------|----------------|------------|---------------|
| CONSTRUCTION CODE |                                                     |       |                |            |               |
| CODE NO.          | ITEM                                                | UNIT  | TOTAL QUANTITY | ROADWAY    | BRIDGE        |
|                   |                                                     |       |                | 0013       | 0013          |
|                   |                                                     |       |                | 2nd STREET | S.N. 098-3751 |
| 50300225          | CONCRETE STRUCTURES                                 | CU YD | 33.7           |            | 33.7          |
| 50300255          | CONCRETE SUPERSTRUCTURE                             | CU YD | 26.3           |            | 26.3          |
| 50400405          | PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH) | SQ FT | 1444           |            | 1444          |
| 50400505          | PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH) | SQ FT | 1898           |            | 1898          |
| 50800205          | REINFORCEMENT BARS, EPOXY COATED                    | POUND | 14230          |            | 14230         |
| 50901720          | BICYCLE RAILING                                     | FOOT  | 160            |            | 160           |
| 50901750          | PARAPET RAILING                                     | FOOT  | 100            |            | 100           |
| 50901760          | PIPE HANDRAIL                                       | FOOT  | 37             |            | 37            |
| 51100100          | SLOPE WALL 4 INCH                                   | SQ YD | 70             | 70         |               |
| 51500100          | NAME PLATES                                         | EACH  | 1              |            | 1             |
| 52000110          | PREFORMED JOINT STRIP SEAL                          | FOOT  | 66             |            | 66            |
| 54262715          | METAL FLARED END SECTIONS 15"                       | EACH  | 1              | 1          |               |
| 550A0050          | STORM SEWERS, CLASS A, TYPE 1 12"                   | FOOT  | 48             | 48         |               |
| 550B0360          | STORM SEWERS, CLASS B, TYPE 2 15"                   | FOOT  | 40             | 40         |               |

\* DENOTES SPECIAL PROVISION







| PAVING & GUARD RAIL SCHEDULE      |    |          |                                             |                                               |                                              |                                             |                                               |                                                   |                                           |                                               |                                         |                                        |                                                     |                                                      |                                                      |                                             |                                             |                                                   |                                              |                                                   |
|-----------------------------------|----|----------|---------------------------------------------|-----------------------------------------------|----------------------------------------------|---------------------------------------------|-----------------------------------------------|---------------------------------------------------|-------------------------------------------|-----------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------------------|------------------------------------------------------|------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------------|----------------------------------------------|---------------------------------------------------|
| STATION                           | TO | STATION  | SLB GRAN<br>VAT C 9"<br>(SQ YD)<br>31102600 | AGG BASE<br>CSE TA 12"<br>(SQ YD)<br>35101100 | AGG SURF<br>CSE TA 6"<br>(SQ YD)<br>40200500 | BIT MATLS<br>(PR CT)<br>(POUND)<br>40600275 | BIT MATLS<br>(TACK CT)<br>(POUND)<br>40600290 | HMA SURF REM<br>BUTT JOINT<br>(SQ YD)<br>40600982 | HMA BC<br>IL-9.5 N50<br>(TON)<br>40602978 | HMA SC<br>IL-9.5FG C N50<br>(TON)<br>40604000 | PCC SW<br>5 INCH<br>(SQ FT)<br>42400200 | HMA<br>SHLDS 6"<br>(SQ YD)<br>48203021 | COMB CONC<br>C & G, TY B-6.24<br>(FOOT)<br>60605000 | ST PL BEAM GR<br>TY A 6' POSTS<br>(FOOT)<br>63000001 | ST PL BEAM GR<br>TY A 9' POSTS<br>(FOOT)<br>63000003 | TR BAR TERM<br>TYPE 5<br>(EACH)<br>63100070 | TR BAR TERM<br>TYPE 6<br>(EACH)<br>63100085 | TR BAR TERM<br>T1, SPL TANG<br>(EACH)<br>63100085 | CONCRETE<br>WEAR SURF<br>(SQ YD)<br>X5030301 | TR BAR TERM<br>TYPE 6 (MOD)<br>(EACH)<br>X6310187 |
| 2nd STREET - STRUCTURE # 098-3751 |    |          |                                             |                                               |                                              |                                             |                                               |                                                   |                                           |                                               |                                         |                                        |                                                     |                                                      |                                                      |                                             |                                             |                                                   |                                              |                                                   |
| 8+50.00                           | TO | 9+47.67  | 87                                          | 288                                           |                                              | 648                                         | 288                                           | 17                                                | 23                                        | 23                                            | 786                                     | 87                                     |                                                     | 50                                                   | 64                                                   | 1                                           |                                             | 2                                                 |                                              |                                                   |
| 9+47.67                           | TO | 10+52.42 |                                             |                                               |                                              |                                             |                                               |                                                   |                                           |                                               |                                         |                                        |                                                     |                                                      |                                                      |                                             |                                             |                                                   | 3/2                                          |                                                   |
| 10+52.42                          | TO | 11+40.00 | 63                                          | 442                                           | 180                                          | 995                                         | 442                                           | 14                                                | 34                                        | 34                                            | 577                                     | 63                                     | 82                                                  | 40                                                   | 16                                                   | 1                                           | 1                                           | 2                                                 | 1                                            |                                                   |
|                                   |    |          |                                             |                                               |                                              |                                             |                                               |                                                   |                                           |                                               |                                         |                                        |                                                     |                                                      |                                                      |                                             |                                             |                                                   |                                              |                                                   |
| TOTAL                             |    |          | 150                                         | 730                                           | 180                                          | 1,643                                       | 730                                           | 31                                                | 57                                        | 57                                            | 1,363                                   | 150                                    | 82                                                  | 90                                                   | 80                                                   | 2                                           | 1                                           | 4                                                 | 372                                          | 1                                                 |

| SEEDING AND EROSION CONTROL SCHEDULE |       |          |       |                                 |                               |                                      |                                        |                                       |                             |                                         |                                  |                            |                                             |                             |                                 |                             |
|--------------------------------------|-------|----------|-------|---------------------------------|-------------------------------|--------------------------------------|----------------------------------------|---------------------------------------|-----------------------------|-----------------------------------------|----------------------------------|----------------------------|---------------------------------------------|-----------------------------|---------------------------------|-----------------------------|
| STATION                              | LT/RT | STATION  | LT/RT | TOPSOIL<br>F & P, 4"<br>(SQ YD) | SEEDING<br>CLASS 1B<br>(ACRE) | NITROGEN<br>FERT NUTRIENT<br>(POUND) | PHOSPHORUS<br>FERT NUTRIENT<br>(POUND) | POTASSIUM<br>FERT NUTRIENT<br>(POUND) | MULCH<br>METHOD 1<br>(ACRE) | TEMP EROSION<br>CONT SEEDING<br>(POUND) | PER EROSION<br>BARRIER<br>(FOOT) | INLET<br>FILTERS<br>(EACH) | STONE DUMPED<br>RIPRAP, CLASS A3<br>(SQ YD) | FILTER<br>FABRIC<br>(SQ YD) | SLOPE WALL<br>4 INCH<br>(SQ YD) | WASHOUT<br>BASIN<br>(L SUM) |
|                                      |       |          |       | 21101615                        | 25000115                      | 25000400                             | 25000500                               | 25000600                              | 25100105                    | 28000250                                | 28000400                         | 28000510                   | 28100705                                    | 28200200                    | 51100100                        | X0326806                    |
| 2nd STREET - STRUCTURE # 098-3751    |       |          |       |                                 |                               |                                      |                                        |                                       |                             |                                         |                                  |                            |                                             |                             |                                 |                             |
| 8+50.00                              | LT    | 9+47.67  | LT    | 209                             | 0.05                          | 5                                    | 5                                      | 5                                     | 0.05                        | 3                                       | 149                              |                            |                                             |                             | 21                              |                             |
| 8+50.00                              | RT    | 9+47.67  | RT    | 190                             | 0.04                          | 4                                    | 4                                      | 4                                     | 0.04                        | 2                                       | 169                              |                            |                                             |                             | 36                              |                             |
| 10+52.42                             | LT    | 11+40.00 | LT    | 295                             | 0.07                          | 7                                    | 7                                      | 7                                     | 0.07                        | 4                                       | 168                              | 2                          | 18                                          | 24                          | 13                              |                             |
| 10+52.42                             | RT    | 11+40.00 | RT    | 182                             | 0.04                          | 4                                    | 4                                      | 4                                     | 0.04                        | 2                                       | 152                              | 2                          |                                             |                             |                                 |                             |
| AS DIRECTED                          |       |          |       |                                 |                               |                                      |                                        |                                       |                             |                                         |                                  |                            |                                             |                             |                                 | 1                           |
| TOTAL                                |       |          |       | 876                             | 0.20                          | 20                                   | 20                                     | 20                                    | 0.20                        | 11                                      | 638                              | 4                          | 18                                          | 24                          | 70                              | 1                           |

| PAVEMENT MARKING SCHEDULE         |    |          |                   |                                                |                                                         |
|-----------------------------------|----|----------|-------------------|------------------------------------------------|---------------------------------------------------------|
| STATION                           | TO | STATION  | LT/R <sup>+</sup> | EPOXY<br>MRKNG - LINE 4"<br>(FOOT)<br>78005110 | POLYUREA PAV'T<br>MRKNG - LINE 4"<br>(FOOT)<br>78008210 |
| 2nd STREET - STRUCTURE # 098-3751 |    |          |                   |                                                |                                                         |
| 8+50.00                           | TO | 9+47.67  | LT/R <sup>+</sup> |                                                | 392                                                     |
| 9+47.57                           | TO | 10+52.42 | LT/R <sup>+</sup> | 420                                            |                                                         |
| 10+52.42                          | TO | 11+40.00 | LT/R <sup>+</sup> |                                                | 511                                                     |
|                                   |    |          |                   |                                                |                                                         |
| TOTAL                             |    |          |                   | 420                                            | 903                                                     |

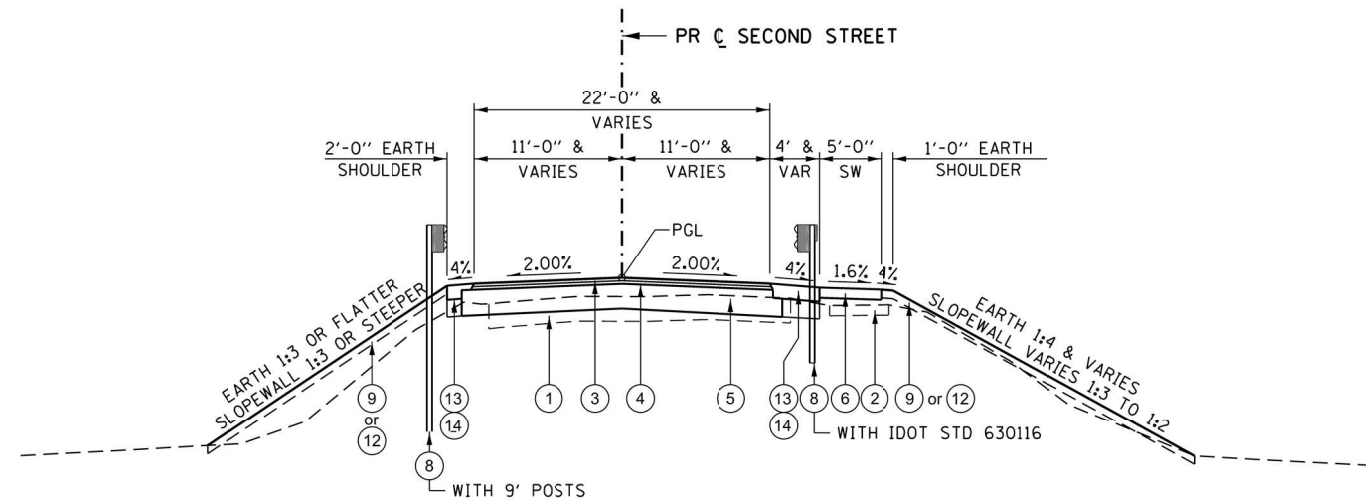
| REMOVAL SCHEDULE |        |         |        |                                |                                |                                   |
|------------------|--------|---------|--------|--------------------------------|--------------------------------|-----------------------------------|
| STATION          | LT/RT  | STATION | LT/RT  | SIDEWALK<br>REMOVAL<br>(SQ FT) | GUARDRAIL<br>REMOVAL<br>(FOOT) | CHAIN LINK<br>FENCE REM<br>(FOOT) |
|                  |        |         |        | 44000600                       | 63200310                       | X6640300                          |
| 8+07             | 24' RT | 9+49    | 16' RT | 914                            |                                |                                   |
| 8+12             | 18' RT | 9+50    | 15' RT |                                | 136                            |                                   |
| 8+23             | 14' LT | 9+50    | 14' LT |                                | 127                            |                                   |
| 8+50             | LT/RT  | 9+48    | LT/RT  |                                |                                |                                   |
| 9+47             | LT/RT  | 9+49    | LT/RT  |                                |                                |                                   |
| 10+51            | 20' RT | 10+80   | 33' RT |                                |                                | 16                                |
| 10+51            | LT/RT  | 10+53   | LT/RT  |                                |                                |                                   |
| 10+51            | 14' LT | 11+53   | 15' LT |                                | 102                            |                                   |
| 10+51            | 15' RT | 11+53   | 17' RT |                                | 102                            |                                   |
| 10+51            | 16' RT | 11+54   | 22' RT | 462                            |                                |                                   |
| 10+52            | LT/RT  | 11+40   | LT/RT  |                                |                                |                                   |
| 8+12             |        | 8+12    |        |                                |                                |                                   |
| 8+12             |        | 8+12    |        |                                |                                |                                   |
|                  |        |         |        |                                |                                |                                   |
|                  |        | TOTAL   | =      | 1,376                          | 467                            | 16                                |

| DRAINAGE SCHEDULE |        |          |        |                               |                                        |                                          |                                          |                                |                               |                                |
|-------------------|--------|----------|--------|-------------------------------|----------------------------------------|------------------------------------------|------------------------------------------|--------------------------------|-------------------------------|--------------------------------|
| STATION           | OFFSET | STATION  | OFFSET | TRENCH<br>BACKFILL<br>(CU YD) | METAL FLARED<br>END SECT 15"<br>(EACH) | STORM SEWERS<br>CL A, TY 1 12"<br>(FOOT) | STORM SEWERS<br>CL B, TY 2 15"<br>(FOOT) | INLETS TA<br>T3V F&G<br>(EACH) | INLETS TB<br>T1F CL<br>(EACH) | INLETS TB<br>T3V F&G<br>(EACH) |
|                   |        |          |        | 20800150                      | 54262715                               | 550A0050                                 | 550B0360                                 | 60235705                       | 60240215                      | 60240222                       |
| 10+73.60          | 10' LT |          |        |                               |                                        |                                          |                                          | 1                              |                               |                                |
| 10+73.60          | 10' LT | 10+87.50 | 10' LT | 5                             |                                        | 13                                       |                                          |                                |                               |                                |
| 10+87.50          | 10' LT |          |        |                               |                                        |                                          |                                          |                                |                               | 1                              |
| 10+87.50          | 10' LT | 10+87.50 | 10' RT | 8                             |                                        | 22                                       |                                          |                                |                               |                                |
| 10+73.60          | 10' RT |          |        |                               |                                        |                                          |                                          | 1                              |                               |                                |
| 10+73.60          | 10' RT | 10+87.50 | 10' RT | 5                             |                                        | 13                                       |                                          |                                |                               |                                |
| 10+87.50          | 10' RT |          |        |                               |                                        |                                          |                                          |                                |                               | 1                              |
| 10+87.50          | 10' RT | 10+87.50 | 32' RT |                               |                                        |                                          | 20                                       |                                |                               |                                |
| 10+82.00          | 32' RT |          |        |                               |                                        |                                          |                                          | 1                              |                               |                                |
| 10+82.00          | 32' RT | 10+64.00 | 41' RT |                               |                                        |                                          | 20                                       |                                |                               |                                |
| 10+64.00          | 41' RT |          |        |                               | 1                                      |                                          |                                          |                                |                               |                                |
|                   |        |          |        |                               |                                        |                                          |                                          |                                |                               |                                |
|                   |        | TOTAL    | =      | 18                            | 1                                      | 48                                       | 40                                       | 2                              | 1                             | 2                              |

| EARTHWORK SCHEDULE       |                                          |                                                              |                     |                                                            |
|--------------------------|------------------------------------------|--------------------------------------------------------------|---------------------|------------------------------------------------------------|
| 1<br><br>Location        | 2<br><br>Earth<br>Excavation<br>20200100 | 3<br><br>Earth Excavation<br>25% Adjustment<br>For Shrinkage | 4<br><br>Embankment | 5<br><br>Earthwork Balance<br>Waste (+) or<br>Shortage (-) |
|                          | Cubic Yard                               | Cubic Yard                                                   | Cubic Yard          | Cubic Yard                                                 |
| 2nd STREET               |                                          |                                                              |                     |                                                            |
| Sta 8+25.00 to 9+47.67   | 152                                      | 114                                                          | 40                  | 74                                                         |
| Bridge Omission          |                                          |                                                              |                     |                                                            |
| Sta 10+52.42 to 11+55.00 | 285                                      | 214                                                          | 24                  | 190                                                        |
|                          |                                          |                                                              |                     |                                                            |
| TOTAL                    | 437                                      | 328                                                          | 64                  | 264                                                        |

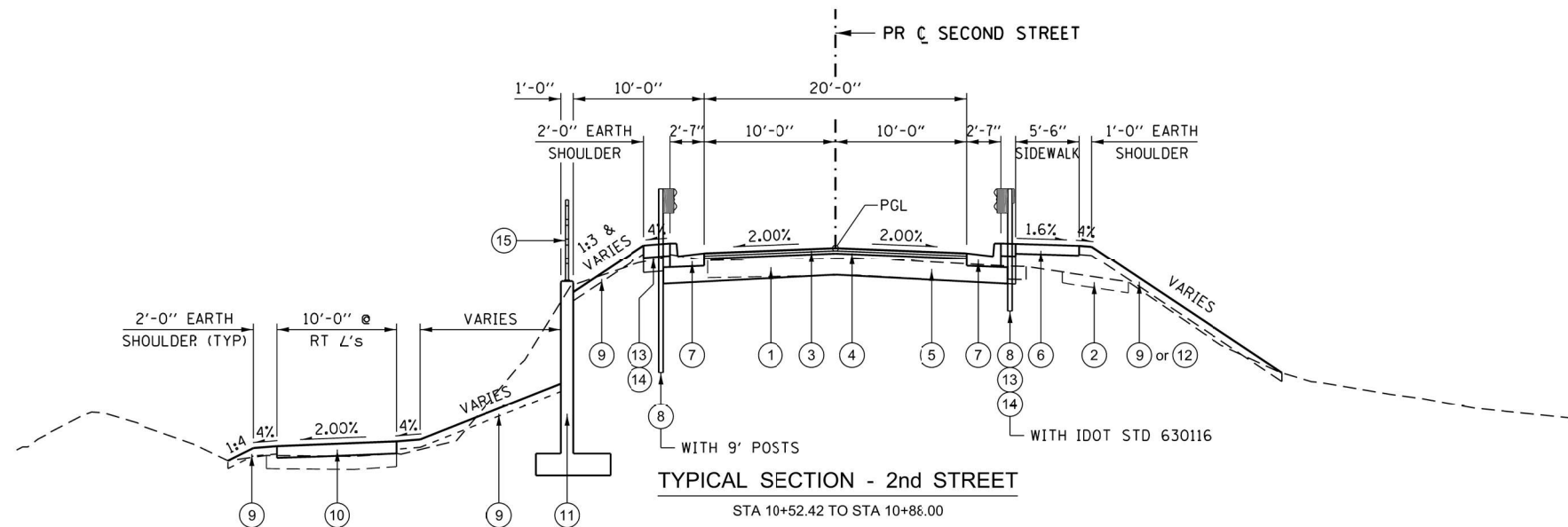
Columns 1, 2, & 4  
Column 3  
Column 5

Location and Quantities from Cross Sections: Earth Exc = Cut, Embankment = Fill  
Quantity of Earth Excavation (Cut) With 25% Adjustment for Shrinkage  
Earthwork Req'd: (-) = Quantity of Fill or Embankment needed.  
(+) = Quantity to be Wasted



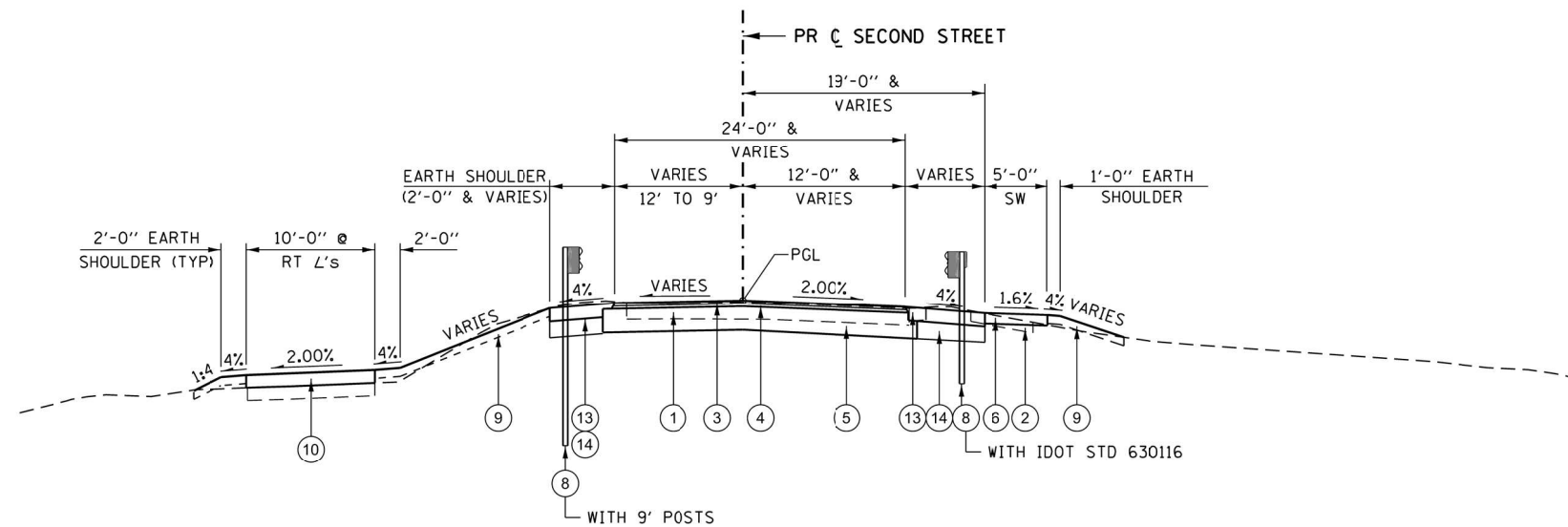
TYPICAL SECTION - 2nd STREET

STA 8+50.00 TO STA 9+47.67



TYPICAL SECTION - 2nd STREET

STA 10+52.42 TO STA 10+86.00



TYPICAL SECTION - 2nd STREET

STA 10+88.00 TO STA 11+40.00

- ① EX HMA & AGGREGATE BASE PAVEMENT
- ② EX CONCRETE SIDEWALK
- ③ PR HMA SURFACE COURSE, IL-6.5FG, MIX "C", N50 1 1/2"
- ④ PR HMA BINDER COURSE, IL-9.5 N50 1 1/2"
- ⑤ PR AGGREGATE BASE COURSE, TYPE A 12"
- ⑥ PR PORTLAND CEMENT CONCRETE SIDEWALK 5"
- ⑦ PR COMB CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑧ PR STEEL PLATE BEAM GUARDRAIL
- ⑨ PR TOPSOIL FURNISH & PLACE 4"
- ⑩ PR AGGREGATE SURFACE COURSE, TYPE B
- ⑪ PR RETAINING WALL
- ⑫ PR SLOPE WALL 4"
- ⑬ PR HOT-MIX ASPHALT SHOULDERS 6"
- ⑭ PR SUBBASE GRANULAR MATERIAL, TYPE C 9"
- ⑮ PR PIPE HANDRAIL

MODEL: Default  
FILE NAME: J:\0700\0702\DOT\IDNR\Park-Roads\0702-0001-0008\_PTE207\_055\_W08\_Hennepin\_Feeder\_Canal\_Design\_and\_Planning\CAD\Sheet\07246944.sht 009 Typical Sections.dgn



|                             |                   |           |
|-----------------------------|-------------------|-----------|
| USER NAME = jbeque          | DESIGNED - JEB    | REVISED - |
|                             | DRAWN - JEB       | REVISED - |
| PLOT SCALE = 40.0000' / in. | CHECKED - RHD/MAH | REVISED - |
| PLOT DATE = 9/4/2025        | DATE - 8/22/2025  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

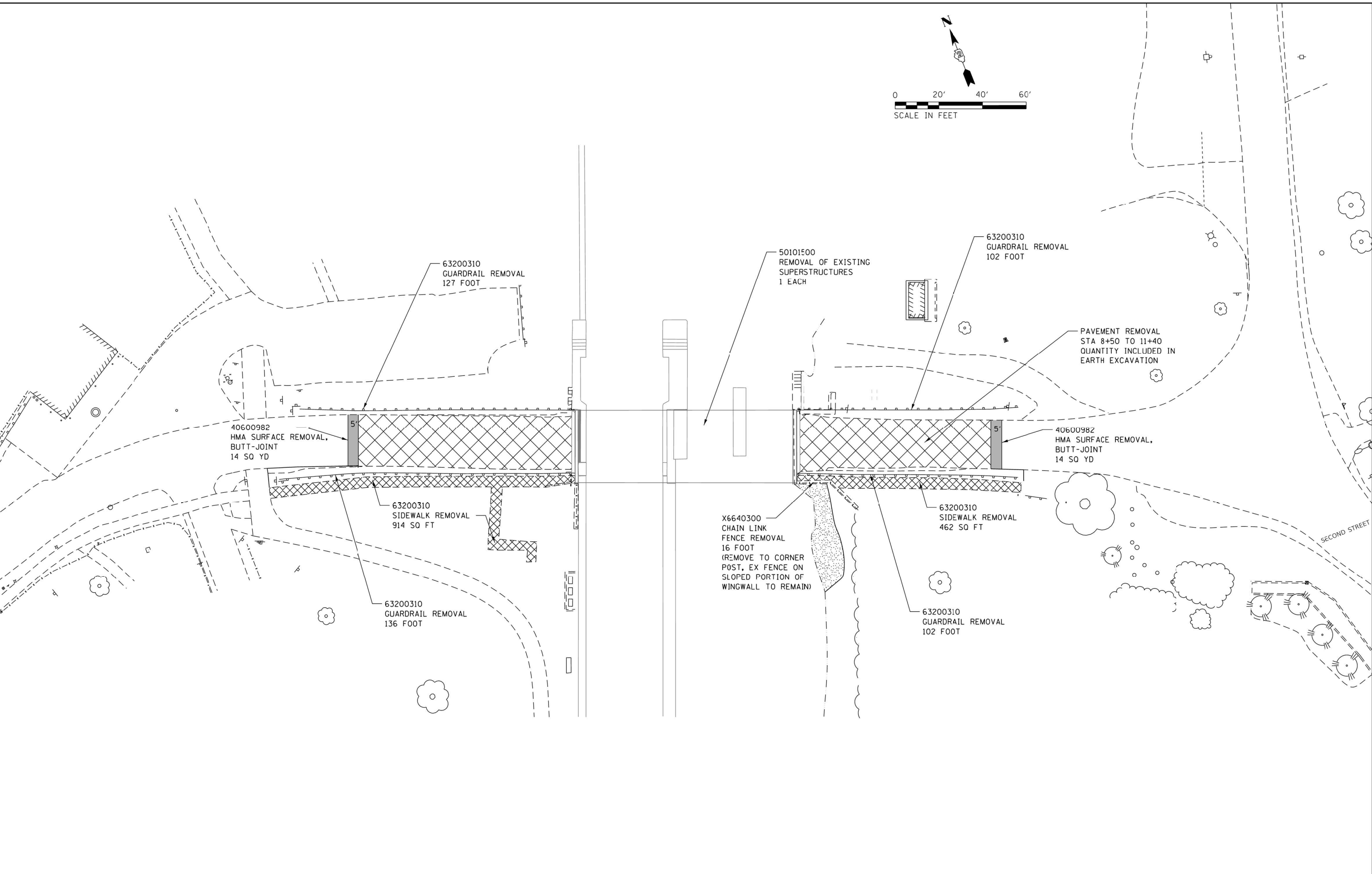
TYPICAL SECTIONS - 2nd STREET  
2nd STREET OVER HENNEPIN FEEDER CANAL

SCALE: NTS SHEET 1 OF 1 SHEET STA. 8+50.00 TO STA. 11+40.00

| RT.                       | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|-----------|--------------|-----------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 9         |
| CONTRACT NO. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

JOB No. 7021-002 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

MODEL: Default  
FILE NAME: \\gispr-fs1\apshare\0700\0702\DOT\DMR-Park-Roads\0702-0001-0008-RTB207-055-W08-Hennepin-Feeder-Canal\Design-Planning\CADD\CAD-Sheets\0246944.sht D10 Removal Plan.dgn





**VEENSTRA  
& KIMM INC.**  
A Kleinfelder Company

|                             |                  |           |
|-----------------------------|------------------|-----------|
| USER NAME = jbeque          | DESIGNED - JEB   | REVISED - |
|                             | DRAWN - JEB      | REVISED - |
| PLOT SCALE = 40.0000' / in. | CHECKED - RHD    | REVISED - |
| PLOT DATE = 8/23/2025       | DATE - 8/22/2025 | REVISED - |

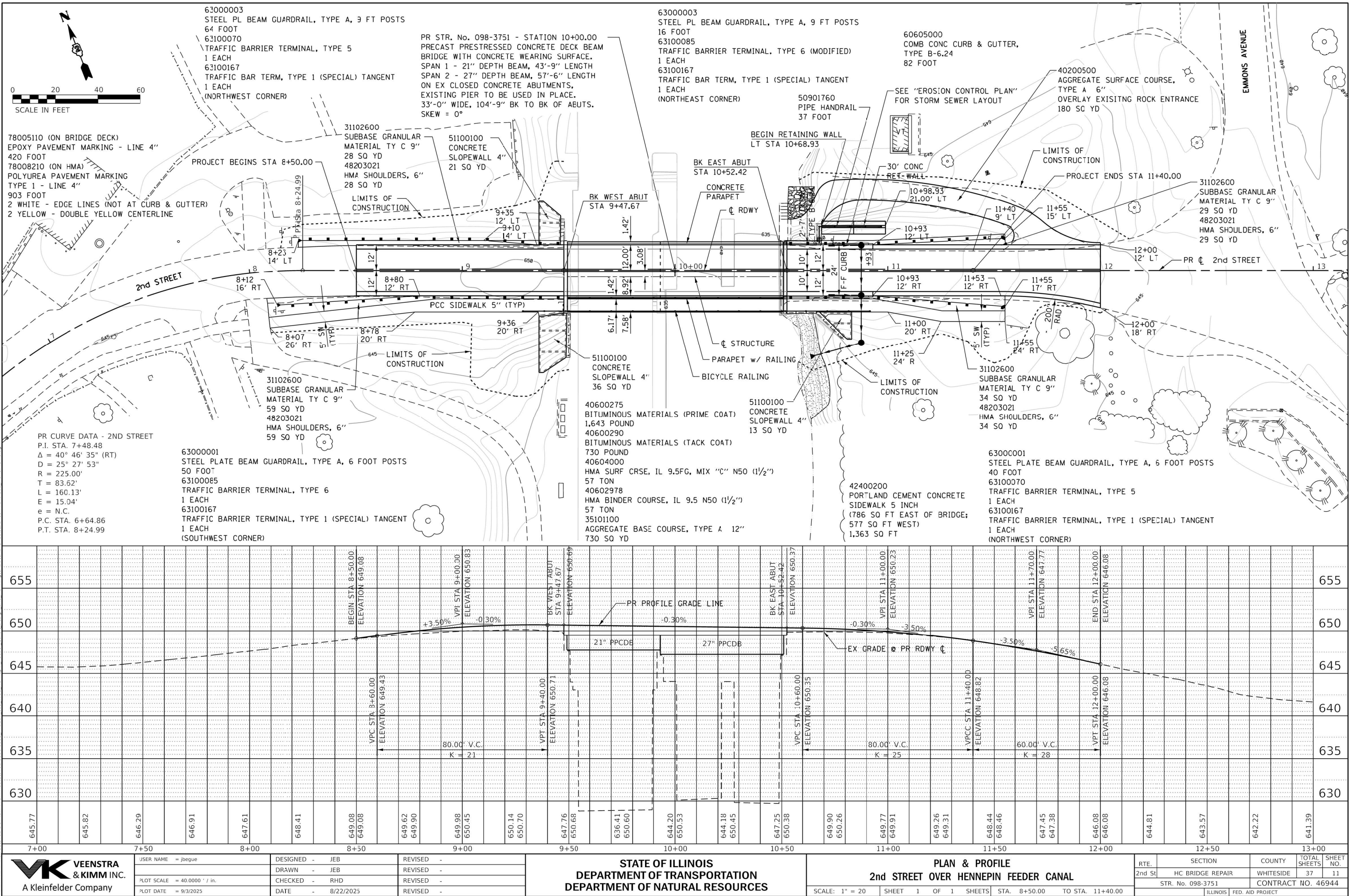
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

EXISTING AND REMOVAL PLAN  
2nd STREET OVER HENNEPIN FEEDER CANAL

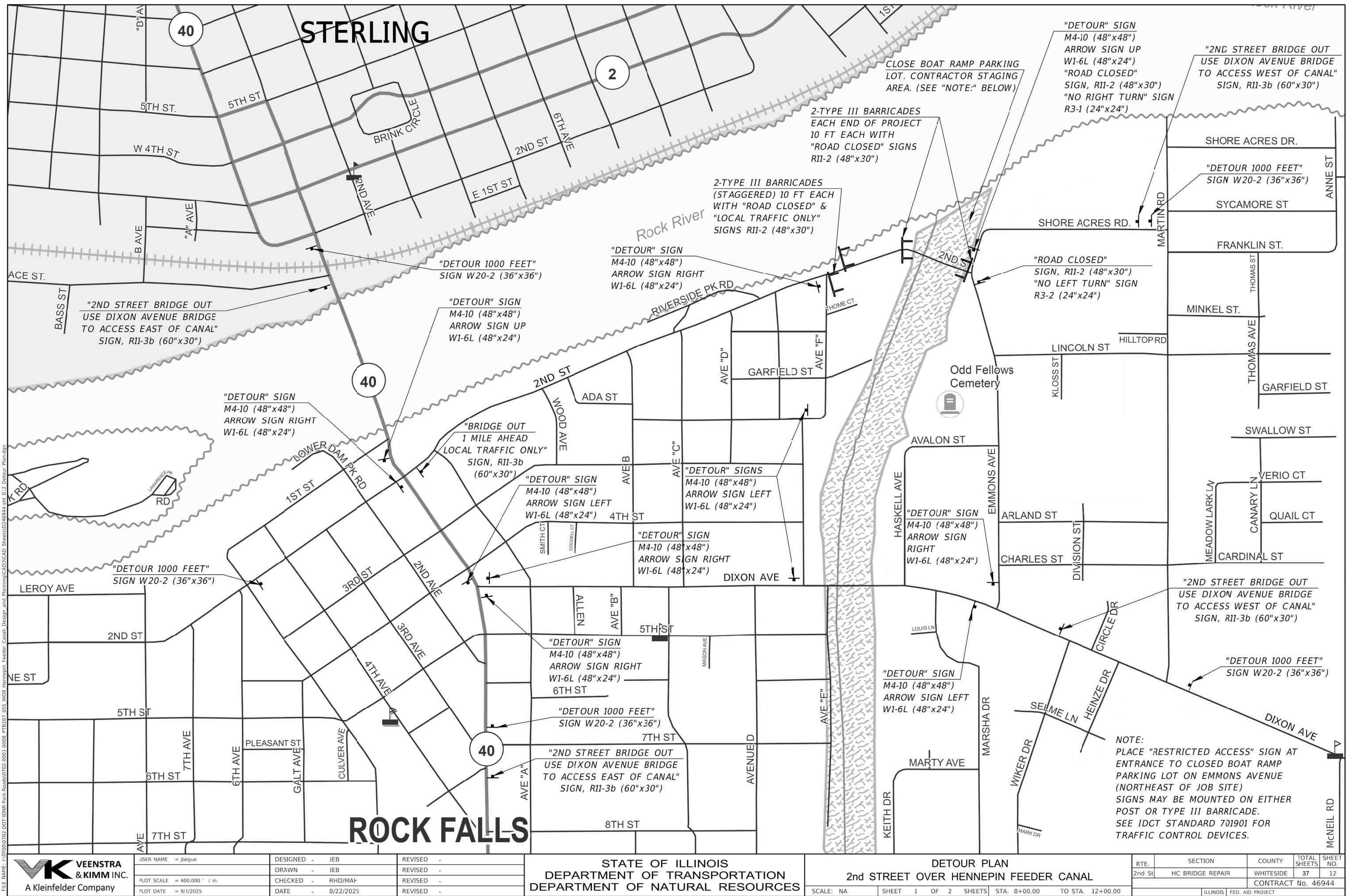
|                 |                     |                               |
|-----------------|---------------------|-------------------------------|
| SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS | STA. 8+00.00 TO STA. 12+00.00 |
|-----------------|---------------------|-------------------------------|

| RTE.                      | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|-----------|--------------|-----------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 10        |
| CONTRACT NO. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939







60"

30"

2nd STREET BRIDGE OUT  
USE DIXON AVENUE BRIDGE  
TO ACCESS EAST OF CANAL

SIGN, R11-3b

60"

BRIDGE OUT  
1 MILE AHEAD  
LOCAL TRAFFIC ONLY

30"

SIGN, R11-3b

60"

30"

2nd STREET BRIDGE OUT  
USE DIXON AVENUE BRIDGE  
TO ACCESS WEST OF CANAL

SIGN, R11-3b

30"

18"

RESTRICTED AREA

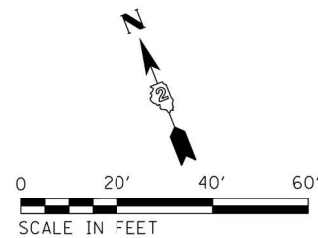
AUTHORIZED PERSONNEL ONLY

\$195 MINIMUM FINE

RESTRICTED ACCESS SIGN DETAIL  
SIGN, R11-3b  
OR APPROVED ALTERNATE

TYPE III BARRICADE  
10 FT EACH WITH  
"ROAD CLOSED" SIGNS  
R11-2 (48"x30")



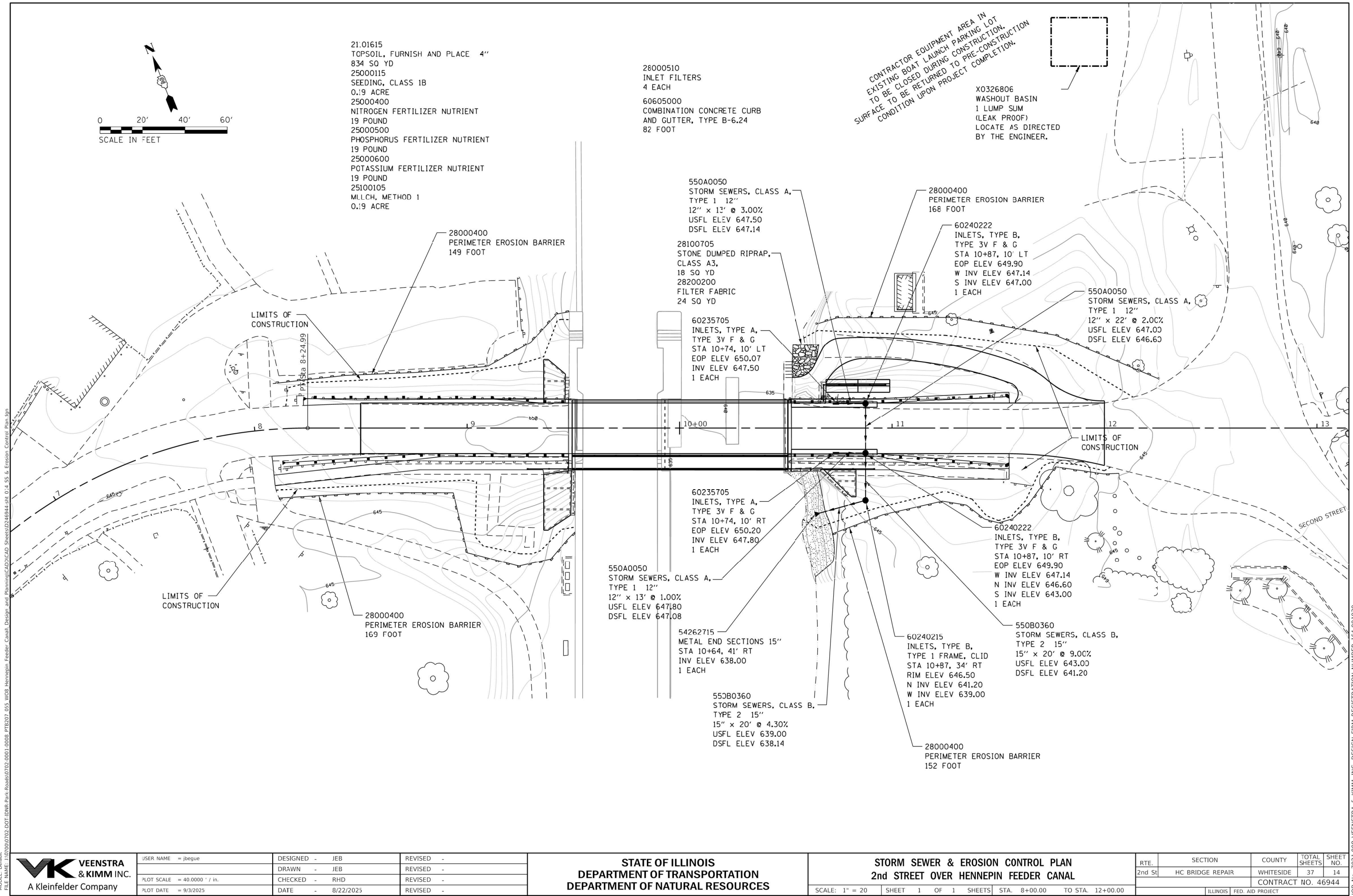


21.01615  
TOPSOIL, FURNISH AND PLACE 4"  
834 SQ YD  
25000115  
SEEDING, CLASS 1B  
0.19 ACRE  
25000400  
NITROGEN FERTILIZER NUTRIENT  
19 POUND  
25000500  
PHOSPHORUS FERTILIZER NUTRIENT  
19 POUND  
25000600  
POTASSIUM FERTILIZER NUTRIENT  
19 POUND  
25100105  
MULCH, METHOD 1  
0.19 ACRE

28000510  
INLET FILTERS  
4 EACH  
60605000  
COMBINATION CONCRETE CURB  
AND GUTTER, TYPE B-6.24  
82 FOOT

CONTRACTOR EQUIPMENT AREA IN  
EXISTING BOAT LAUNCH PARKING LOT  
TO BE CLOSED DURING CONSTRUCTION.  
SURFACE TO BE RETURNED TO PRE-CONSTRUCTION  
CONDITION UPON PROJECT COMPLETION.

X0326806  
WASHOUT BASIN  
1 LUMP SUM  
(LEAK PROOF)  
LOCATE AS DIRECTED  
BY THE ENGINEER.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

STORM SEWER & EROSION CONTROL PLAN  
2nd STREET OVER HENNEPIN FEEDER CANAL  
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 8+00.00 TO STA. 12+00.00

| RTE.   | SECTION          | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|--------|------------------|---------------------------|--------------|-----------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE                 | 37           | 14        |
|        |                  | CONTRACT NO. 46944        |              |           |
|        |                  | ILLINOIS FED. AID PROJECT |              |           |

**VEENSTRA & KIMM INC.**  
A Kleinfelder Company

|                             |                  |           |
|-----------------------------|------------------|-----------|
| USER NAME = jbeque          | DESIGNED - JEB   | REVISED - |
|                             | DRAWN - JEB      | REVISED - |
| PLOT SCALE = 40.0000' / in. | CHECKED - RHD    | REVISED - |
| PLOT DATE = 9/3/2025        | DATE - 8/22/2025 | REVISED - |

MODEL: Default  
FILE NAME: J:\0700\0702\DOT\IDNR-Park-Roads\0702-0001-0008 PTE207.DSS W08 Hennepin Feeder Canal Design and Planning\CADD\CAD Sheets\0702-0001-0008 PTE207.DSS 5.6 Erosion Control Plan.dgn

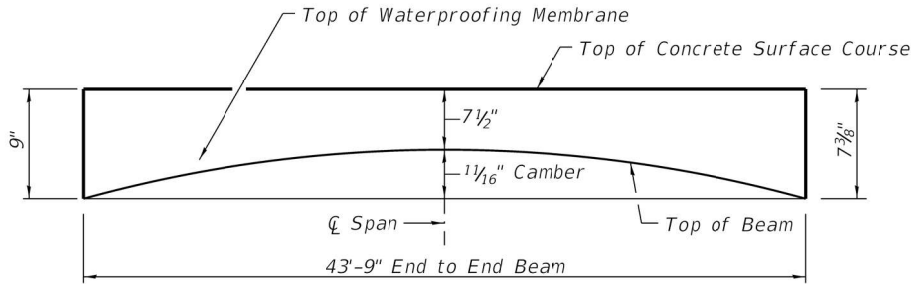
JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



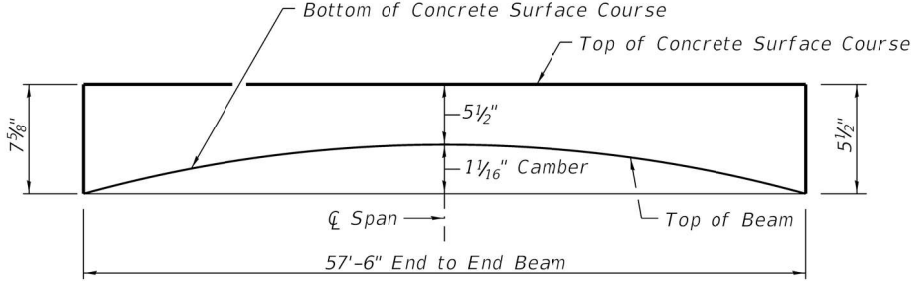
4 ET JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



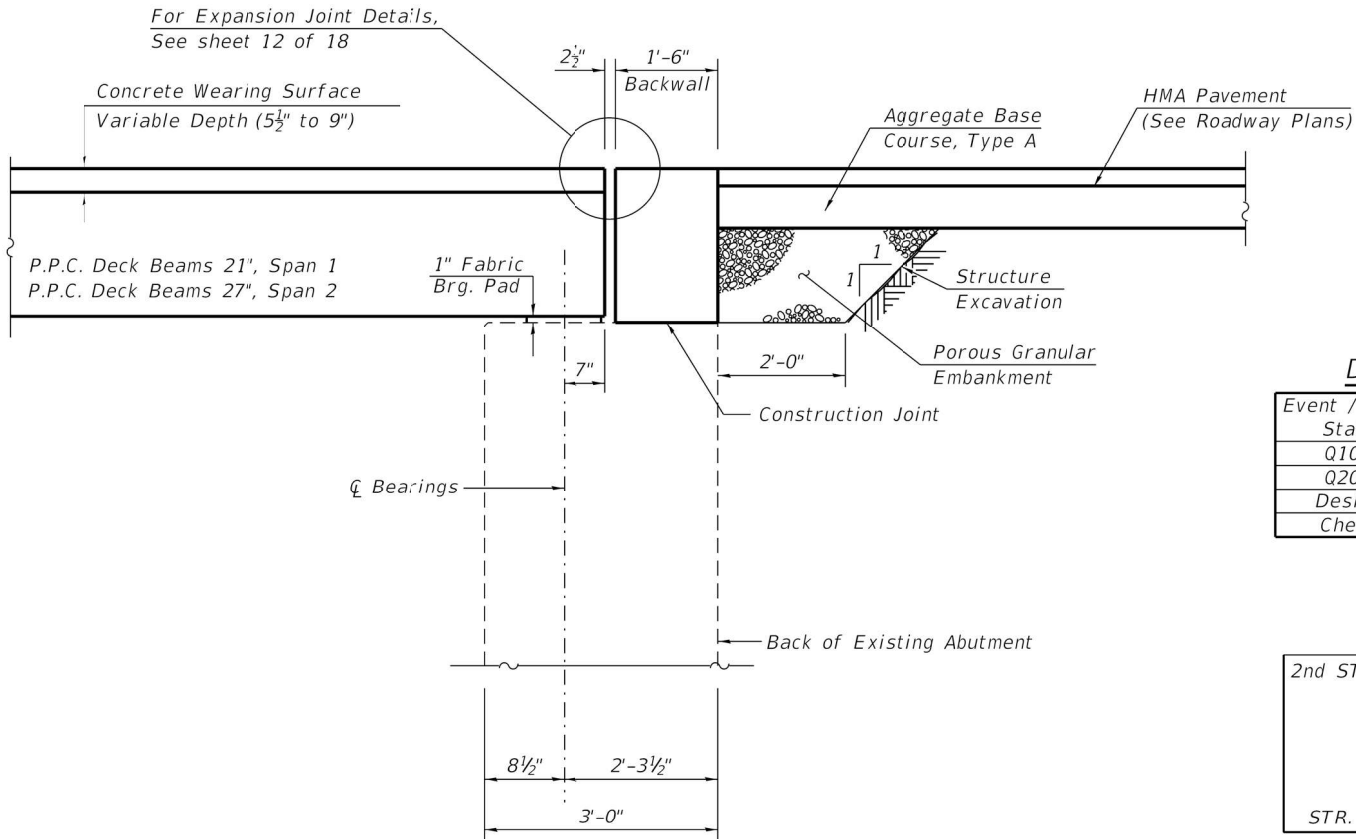
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CONCRETE SURFACE COURSE PROFILE &  
ANTICIPATED CAMBER DIAGRAM (21" BEAM)



CONCRETE SURFACE COURSE PROFILE &  
ANTICIPATED CAMBER DIAGRAM (27" BEAM)



SECTION THRU ABUTMENT  
(Horizontal dimensions at Rt. angles)

### GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

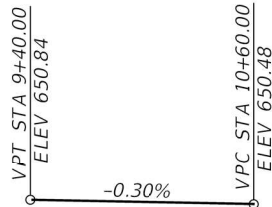
Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing reinforcement shall be cleaned, straightened and incorporated into new construction. Cost included with Concrete Removal.

Any Existing Name Plates discovered in areas to be removed shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

Slipforming of the Parapets is not allowed!

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.



PROFILE GRADE

### DESIGN SCOUR ELEVATION TABLE

| Event / Limit State | Design Scour Elevations (ft.) |          | Item |
|---------------------|-------------------------------|----------|------|
|                     | W. Abut.                      | E. Abut. |      |
| Q100                | 435.18                        | 435.18   | 8    |
| Q200                | 435.18                        | 435.18   |      |
| Design              | 435.18                        | 435.18   |      |
| Check               | 435.18                        | 435.18   |      |

2nd ST. OVER HENNEPIN FEEDER CANAL  
REBUILT 20\_\_ BY IDNR  
CITY OF ROCK FALLS  
WHITESIDE COUNTY  
SECTION: ROCK FALLS 2024  
STATION 10+00  
STR. No. 098-3751    LOADING HL-93

### NAME PLATE

IDOT Standard 515001

### TOTAL BILL OF MATERIAL

| ITEM                                                  | UNIT  | SUPER  | SUB   | TOTAL  |
|-------------------------------------------------------|-------|--------|-------|--------|
| Porous Granular Embankment                            | Cu Yd |        | 10    | 10     |
| Removal of Existing Superstructure                    | Each  | 1      |       | 1      |
| Concrete Removal                                      | Cu Yd |        | 11.1  | 11.1   |
| Structure Excavation                                  | Cu Yd |        | 20.4  | 20.4   |
| Concrete Structures                                   | Cu Yd |        | 33.7  | 33.7   |
| Concrete Superstructure                               | Cu Yd | 26.3   |       | 26.3   |
| Precast Prestressed Concrete Deck Beams (21" Depth)   | Sq Ft | 1,444  |       | 1,444  |
| Precast Prestressed Concrete Deck Beams (27" Depth)   | Sq Ft | 1,898  |       | 1,898  |
| Reinforcement Bars, Epoxy Coated                      | Pound | 11,850 | 2,380 | 14,230 |
| Bicycle Railing                                       | Foot  | 160    |       | 160    |
| Parapet Railing                                       | Foot  | 100    |       | 100    |
| Pipe Handrail                                         | Foot  | 37     |       | 37     |
| Name Plates                                           | Each  | 1      |       | 1      |
| Preformed Joint Strip Seal                            | Foot  | 66     |       | 66     |
| Concrete Wearing Surface (Variable Depth)             | Sq Yd | 372    |       | 372    |
| Structural Repair of Concrete (Depth = or < 5 inches) | Sq Ft |        | 17    | 17     |
| Asbestos Bearing Pad Removal                          | Each  | 44     |       | 44     |

### WATERWAY INFORMATION

| Drainage Area = 15.13 Sq. Mi. |           |          | Low Grade Elev. 437.8 @ Sta. 7+50 |       |             |            |       |               |
|-------------------------------|-----------|----------|-----------------------------------|-------|-------------|------------|-------|---------------|
| Flood                         | Freq. Yr. | Q C.F.S. | Opening Ft²                       |       | Nat. H.W.E. | Head - Ft. |       | Headwater El. |
|                               |           |          | Exist.                            | Prop. |             | Exist.     | Prop. |               |
|                               | 10        | 52       | 86                                | 92    | 435.8       | 0.0        | 0.0   | 435.8         |
| Design                        | 15        | 64       | 91                                | 100   | 436.1       | 0.0        | 0.0   | 436.1         |
| Base                          | 100       | 80       | 103                               | 122   | 436.8       | 0.0        | 0.0   | 436.8         |
|                               | 200       | 80       | 105                               | 124   | 436.8       | 0.0        | 0.0   | 436.8         |
| Max. Calc.                    | 500       | 81       | 109                               | 131   | 437.0       | 0.0        | 0.0   | 437.0         |

### LOADING HL 93

Allow 50#/sq. ft. for future wearing surface.

### DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications,  
9th Edition.

### DESIGN STRESSES

#### FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f'_c = 4,000$  psi (Parapets & Concrete Wearing Surface)

### PRECAST PRESTRESSED UNITS

$f'_c = 6,000$  psi  
 $f'_{ci} = 5,000$  psi  
 $f_{pu} = 270,000$  psi ( $\frac{1}{2}$ "  $\odot$  low lax strands)  
 $f_{pbt} = 201,960$  psi ( $\frac{1}{2}$ "  $\odot$  low lax strands)  
 $f_y = 60,000$  psi

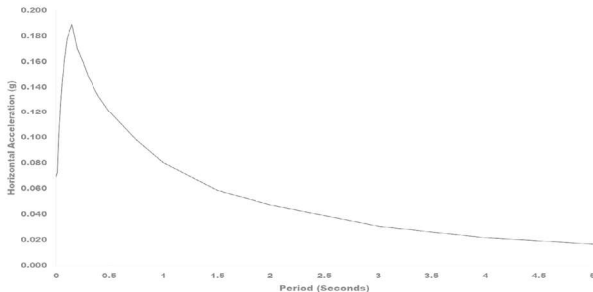
### SEISMIC DATA

2023 AASHTO Seismic Hazard

Site Class D

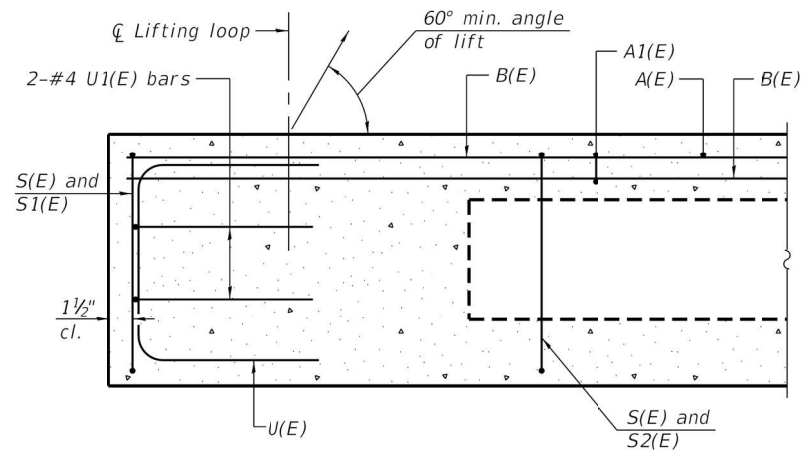
Latitude 40.507563, Longitude -89.911922

Performance Level Operational

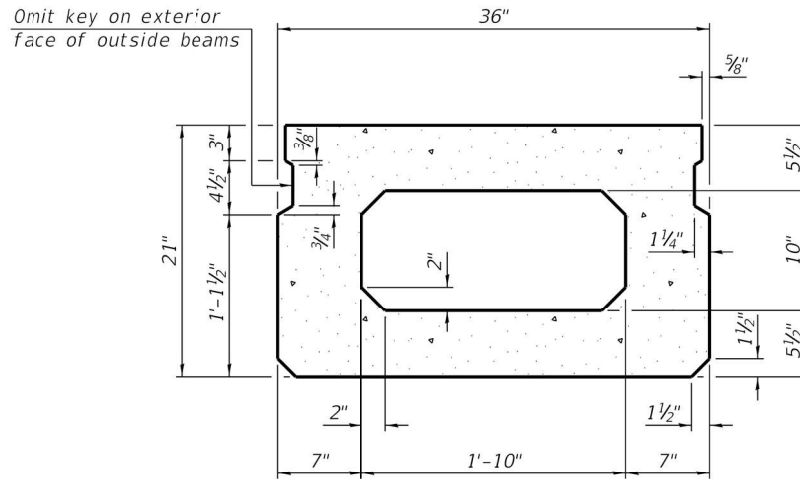


Vertical Acceleration =  $\frac{2}{3}$  \* Horizontal Acceleration  
SD1 = 0.085 g  
SDS = 0.095 g  
SDC = A

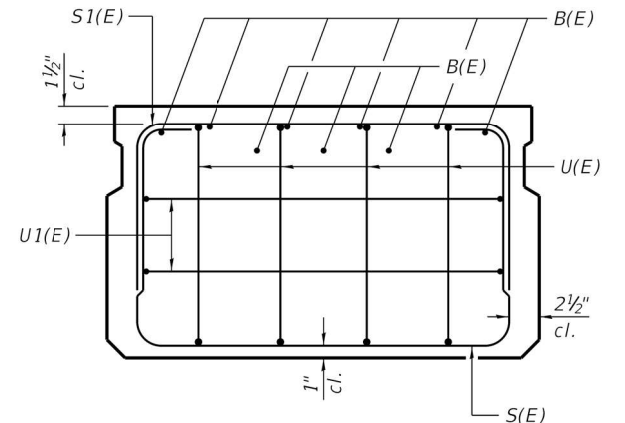
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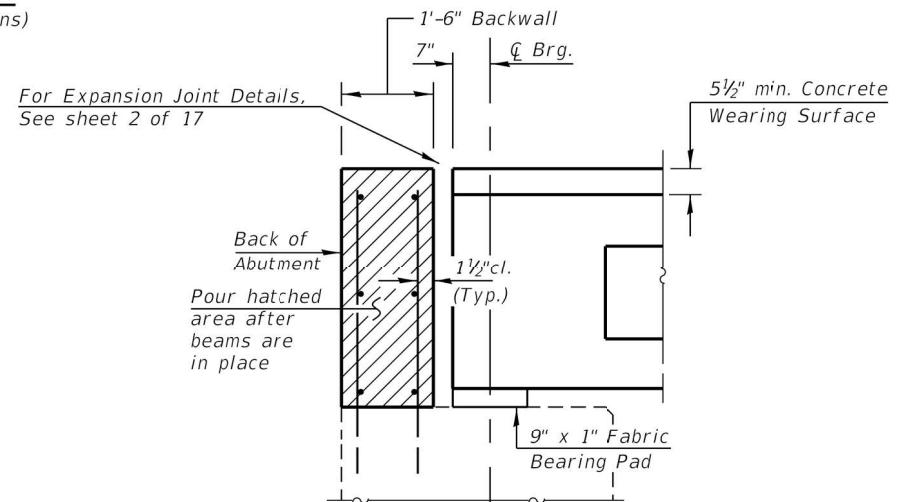
SECTION A-A



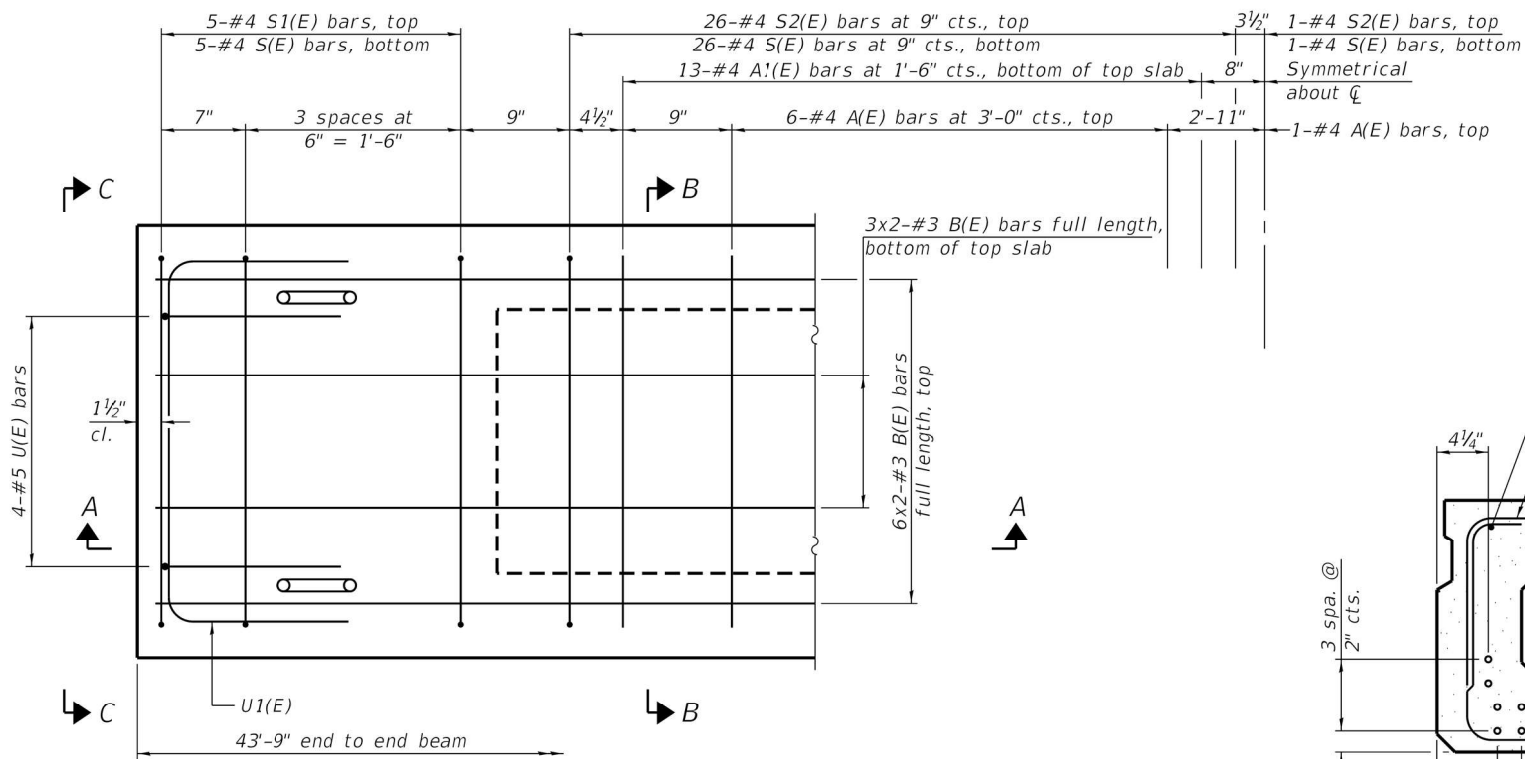
SECTION B-B  
(Showing dimensions)



VIEW C-C

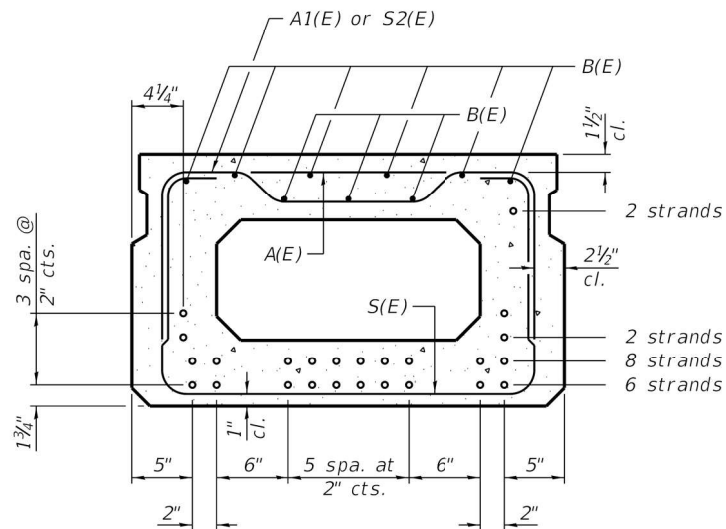


SECTION THRU ABUTMENT



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.  
Bars indicated thus 6x2-#3 etc. indicates 6 lines of #3 bars with 2 lengths per line.



SECTION B-B

(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.

MINIMUM BAR LAP  
#3 bar = 1'-6"

BAR LIST  
ONE BEAM ONLY  
(For information only)

| Bar   | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E)  | 13  | #4   | 2'-7"  | —     |
| A1(E) | 26  | #4   | 2'-10" | —     |
| B(E)  | 18  | #3   | 22'-6" | —     |
| S(E)  | 62  | #4   | 6'-5"  | U     |
| S1(E) | 10  | #4   | 4'-11" | U     |
| S2(E) | 52  | #4   | 5'-2"  | U     |
| U(E)  | 8   | #5   | 4'-0"  | U     |
| U1(E) | 4   | #4   | 5'-0"  | U     |

Note:  
See sheet 4 of 18 for additional details and Bill of Material.

PD-2136-0

5-15-2023



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

21" x 36" PPC DECK BEAM (SPAN 1)  
STRUCTURE No. 098-3751

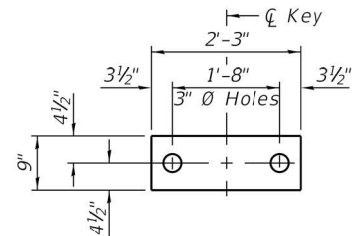
SHEET 3 OF 18 SHEETS

| RTE.   | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO.          |
|--------|------------------|-----------|--------------|--------------------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE | 37           | 17                 |
|        |                  |           |              | CONTRACT No. 46944 |

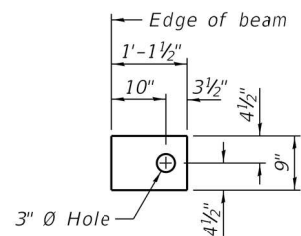
ILLINOIS FED. AID PROJECT

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

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8/23/2025 9:47:00 PM



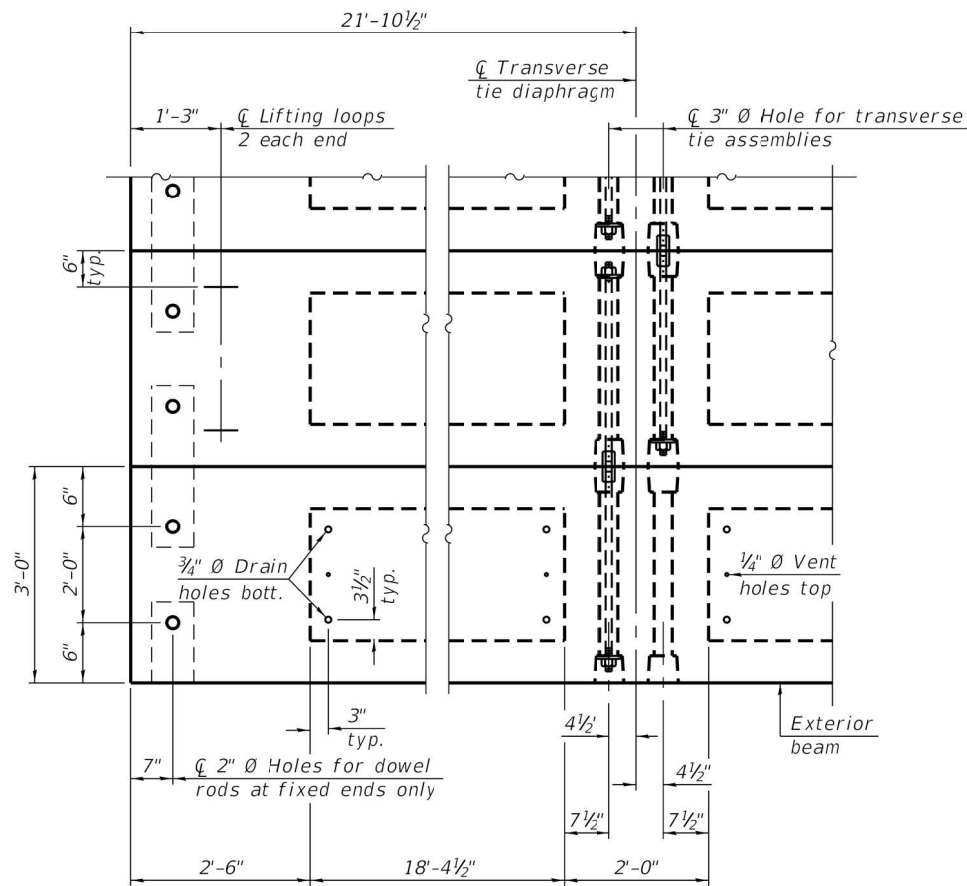
FABRIC BEARING PAD  
(Interior)



FABRIC BEARING PAD  
(Exterior)

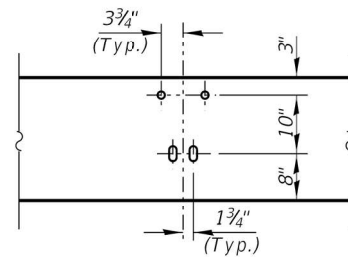
FIXED

Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expander bearings.  
Expansion bearing pads shall be bonded to the substructure.

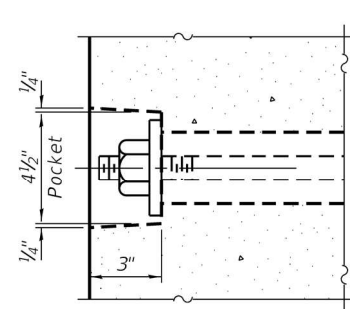


PLAN VIEW

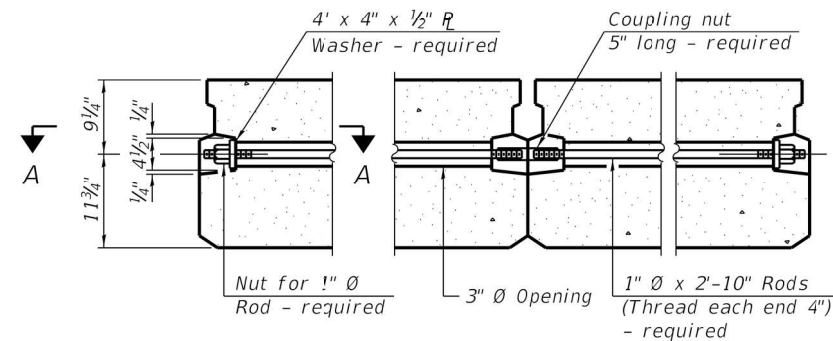
Note:  
Connect beams in pairs with the transverse tie configuration shown.



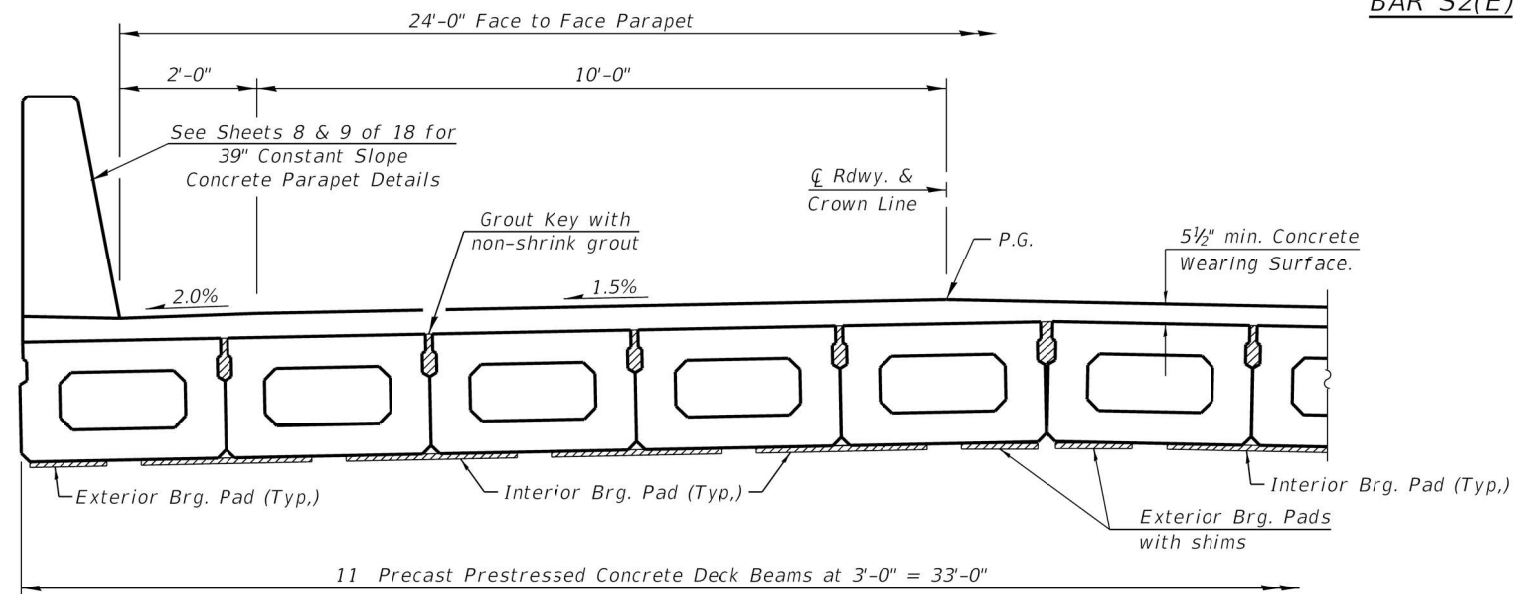
DETAIL A



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

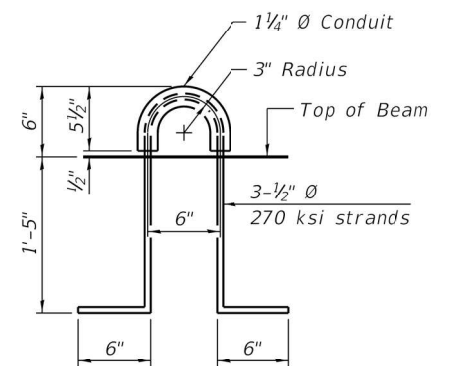
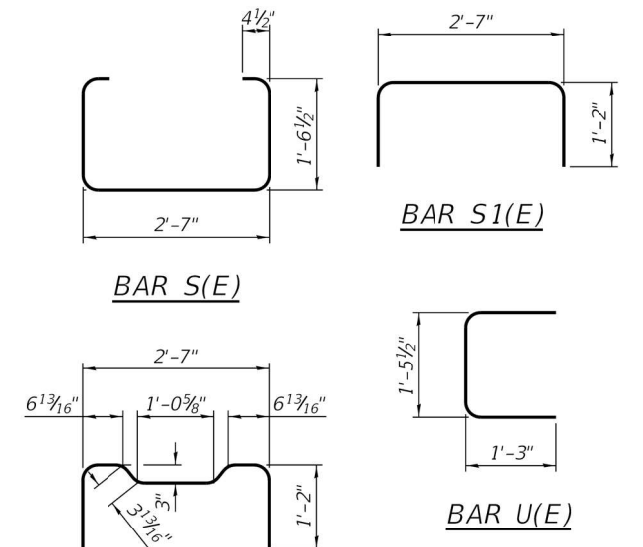


CROSS SECTION

Looking Easterly  
See Sheet 7 & 8 of 18 for Superstructure Details.

## 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" diameter 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. 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)(10) and 1021.07 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. See sheet 9 of 18 for D(E) bars in beams under parapets.



LIFTING LOOP DETAIL

## BILL OF MATERIAL

|                                                     |         |      |
|-----------------------------------------------------|---------|------|
| Precast Prestressed Concrete Deck Beams (21" depth) | Sq. Ft. | 1444 |
|-----------------------------------------------------|---------|------|

PDD-2136-0

5-15-2023



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

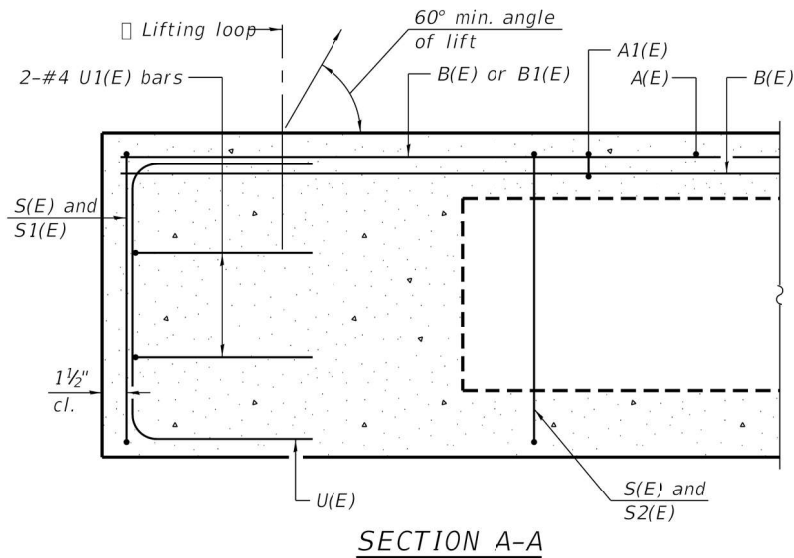
21" x 36" PPC DECK BEAM DETAILS (SPAN 1)  
STRUCTURE No. 098-3751

SHEET 4 OF 18 SHEETS

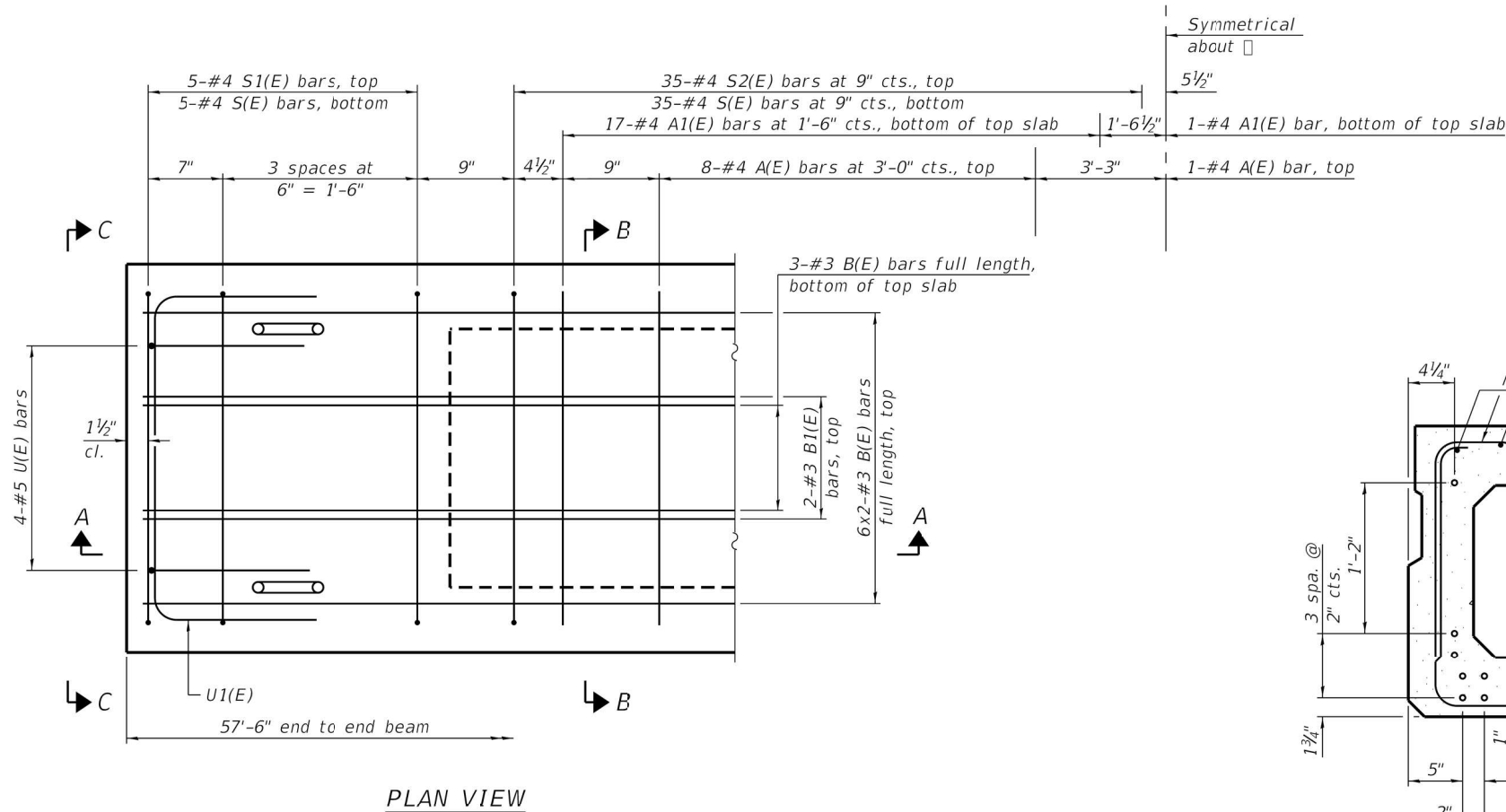
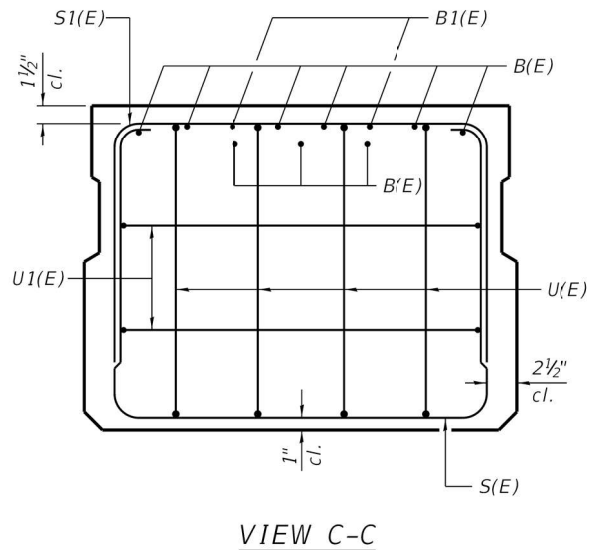
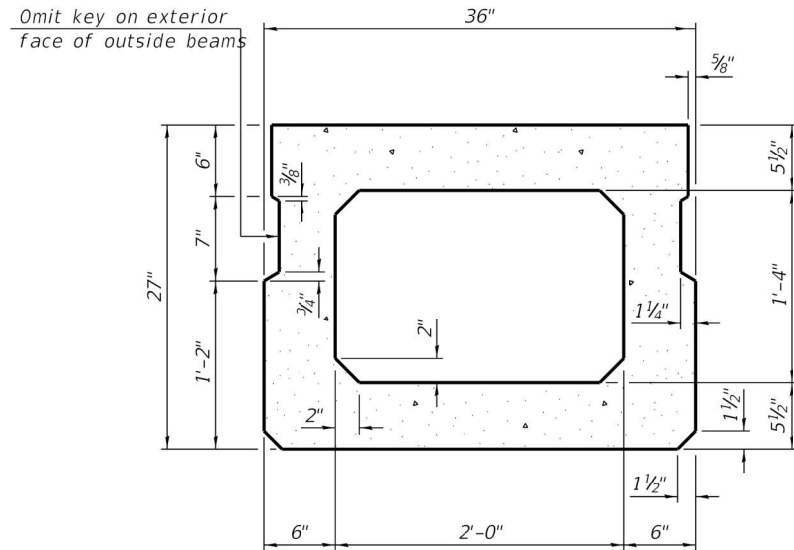
| RT.    | SECTION          | COUNTY    | TOTAL SHEETS     | SHEET NO.          |
|--------|------------------|-----------|------------------|--------------------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE | 37               | 18                 |
|        |                  |           |                  | CONTRACT No. 46944 |
|        |                  | ILLINOIS  | FED. AID PROJECT |                    |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

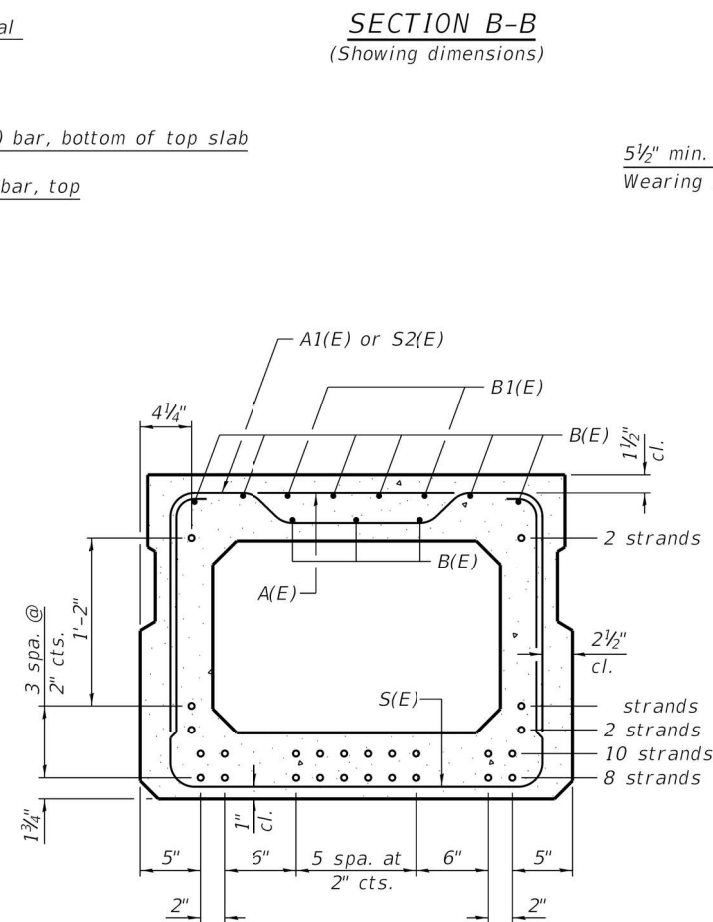
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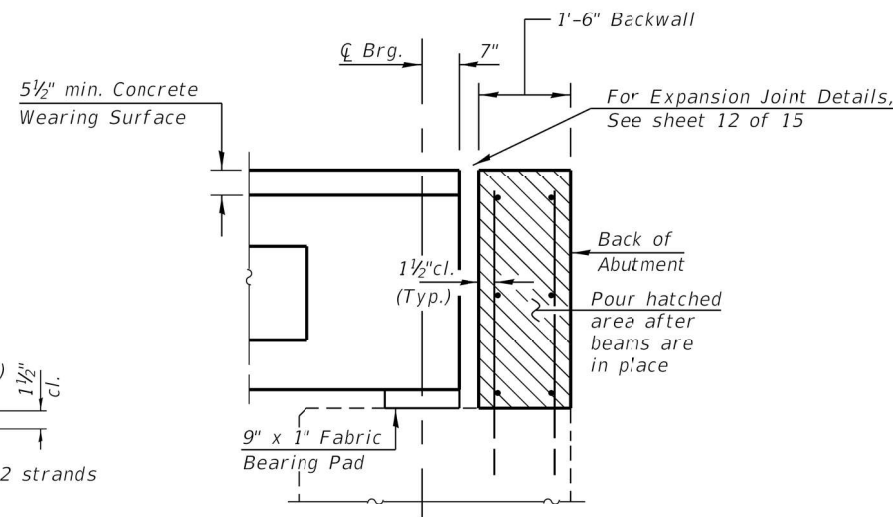
MINIMUM BAR LAP  
#3 bar = 1'-6"



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.



SECTION B-B  
(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.



BAR LIST  
ONE BEAM ONLY  
(For information only)

| Bar   | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E)  | 17  | #4   | 2'-7"  | —     |
| A1(E) | 35  | #4   | 2'-10" | ~     |
| B(E)  | 12  | #3   | 29'-4" | —     |
| B1(E) | 4   | #3   | 10'-0" | —     |
| S(E)  | 80  | #4   | 7'-5"  | U     |
| S1(E) | 10  | #4   | 5'-11" | U     |
| S2(E) | 70  | #4   | 6'-2"  | U     |
| U(E)  | 8   | #5   | 4'-6"  | C     |
| U1(E) | 4   | #4   | 5'-0"  | C     |

Note:  
See sheet 6 of 18 for additional details and Bill of Material.

PD-2736-0

5-15-2023



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

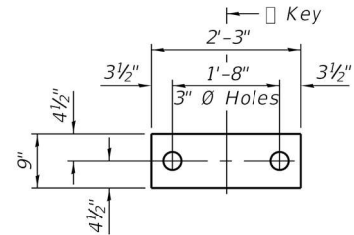
27" x 36" PPC DECK BEAM (SPAN 2)  
STRUCTURE No. 098-3751

SHEET 5 OF 18 SHEETS

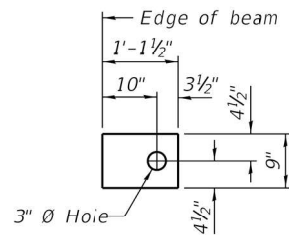
| RTE.                      | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|-----------|--------------|-----------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 19        |
| CONTRACT No. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

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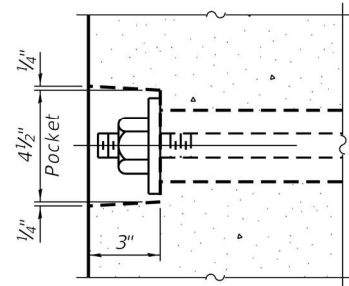
FABRIC BEARING PAD  
(Interior)



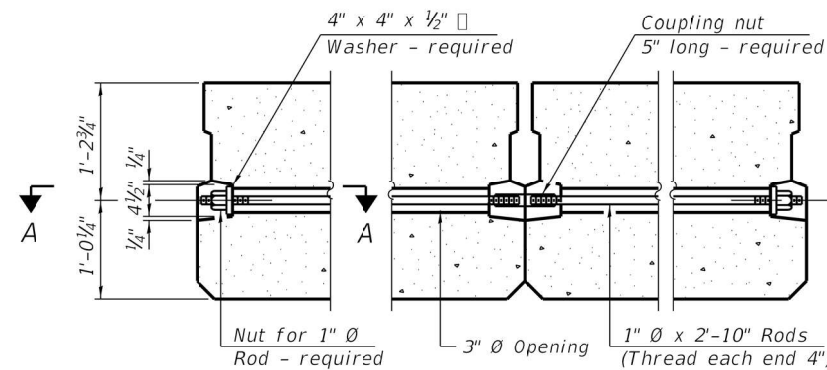
FABRIC BEARING PAD  
(Exterior)

FIXED

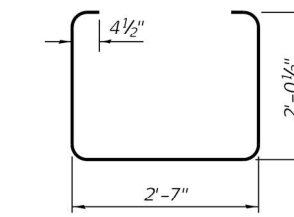
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expander bearings.  
Expansion bearing pads shall be bonded to the substructure.



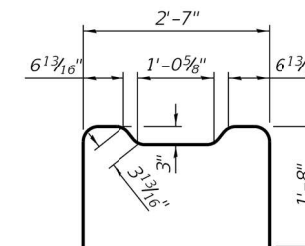
SECTION A-A



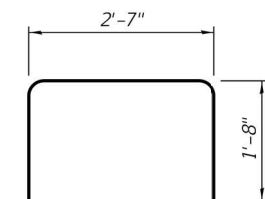
TYPICAL TRANSVERSE TIE ASSEMBLY



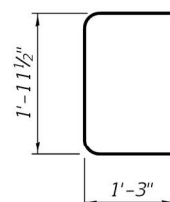
BAR S(E)



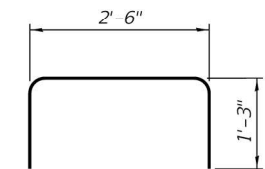
BAR S2(E)



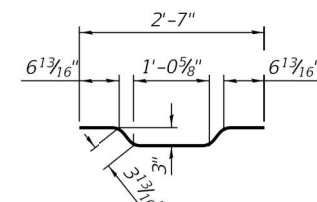
BAR S1(E)



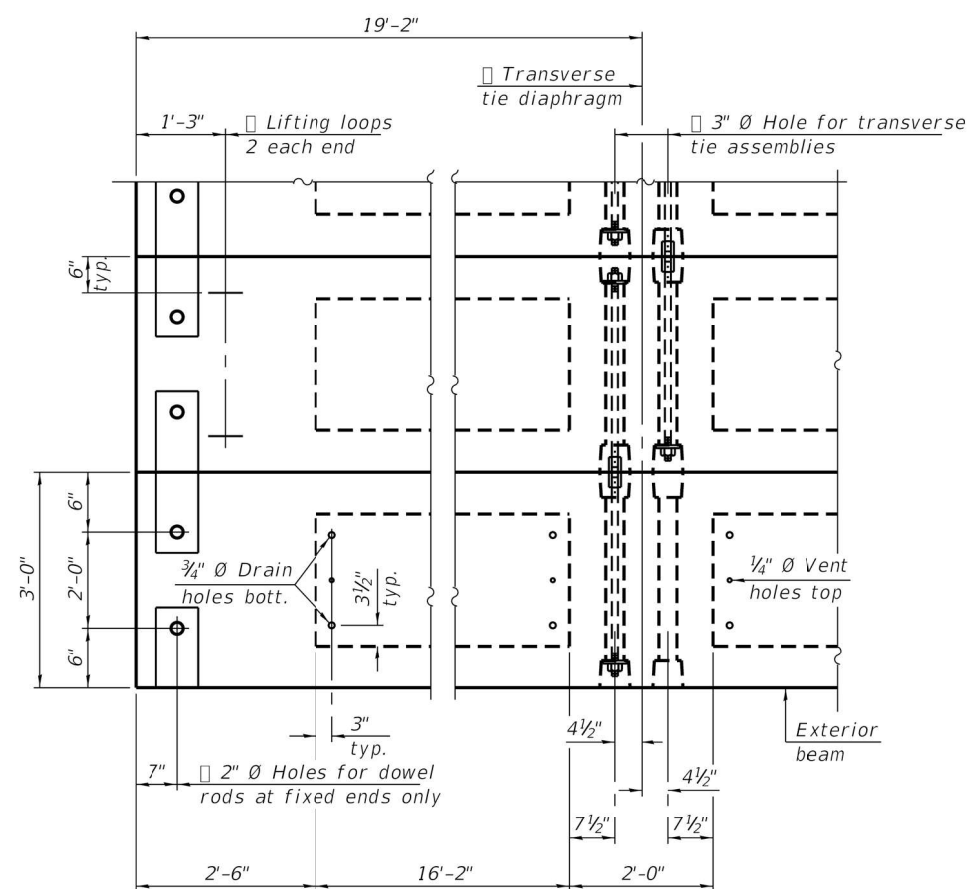
BAR U(E)



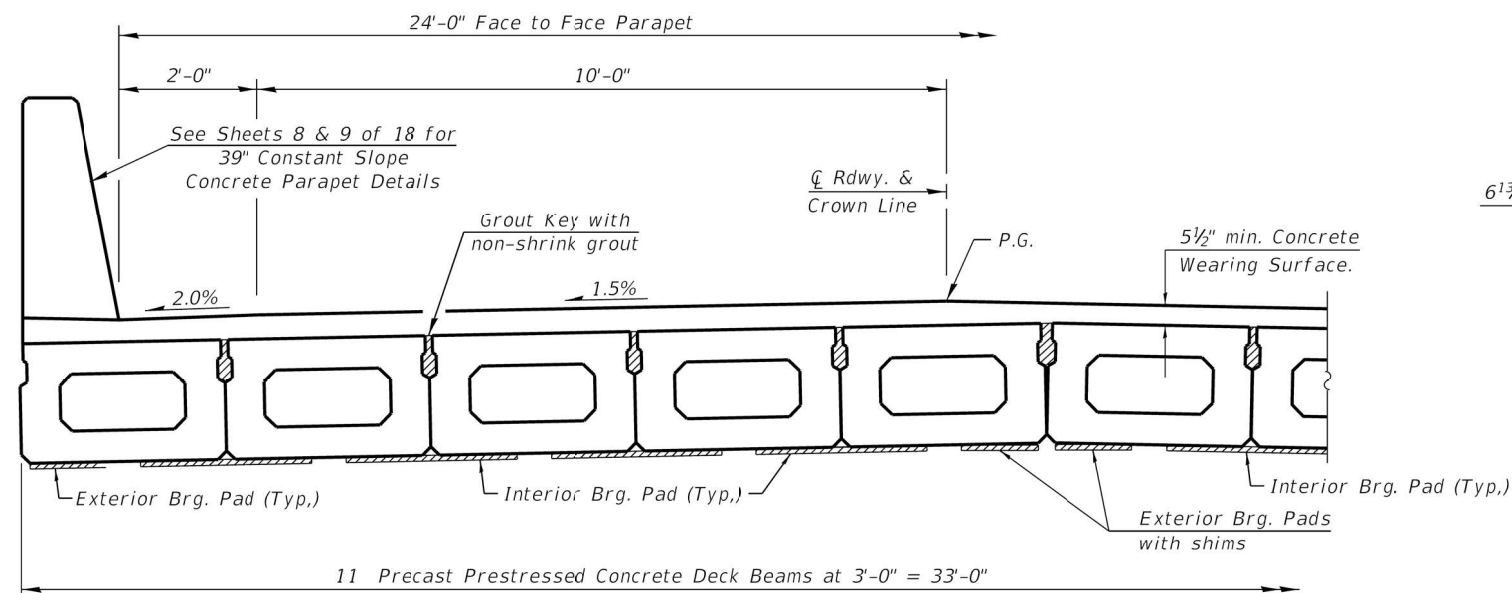
BAR U1(E)



BAR A1(E)



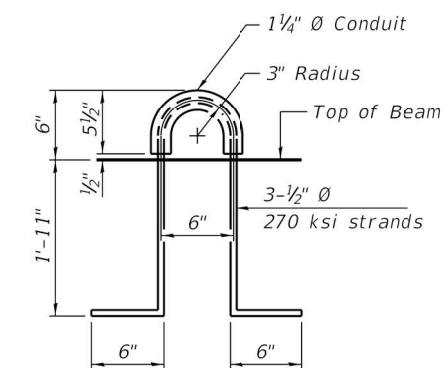
PLAN VIEW



CROSS SECTION  
Looking Easterly  
See Sheet 7 & 8 of 18 for Superstructure Details.

### 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" diameter 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. 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)(1c) and 1021.07 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. See sheet 9 of 18 for D(E) bars in beams under parapets.



LIFTING LOOP DETAIL

### BILL OF MATERIAL

| Material                                        | Sq. Ft. | 1898 |
|-------------------------------------------------|---------|------|
| Precast Prestressed Conc. Deck Bms. (27" depth) |         |      |

PDD-2736-0

5-15-2023



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

27" x 36" PPC DECK BEAM DETAILS (SPAN 2)  
STRUCTURE No. 098-3751

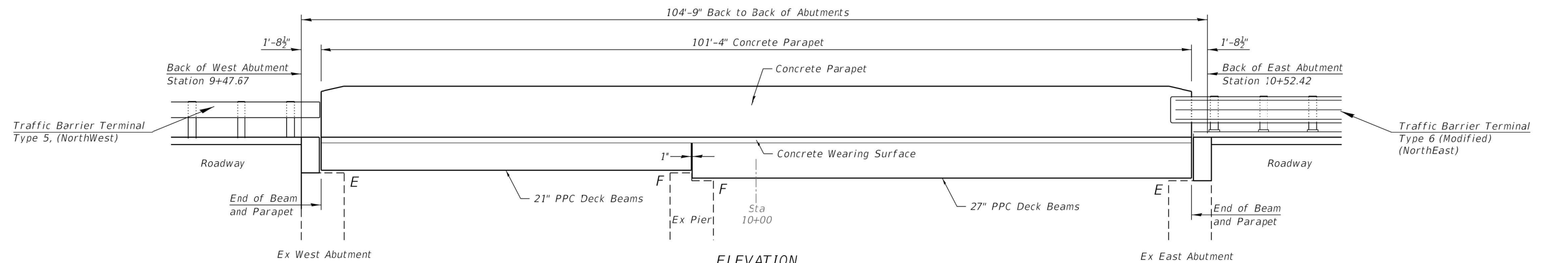
SHEET 6 OF 18 SHEETS

| ROUTE                     | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|-----------|--------------|-----------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 20        |
| CONTRACT No. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

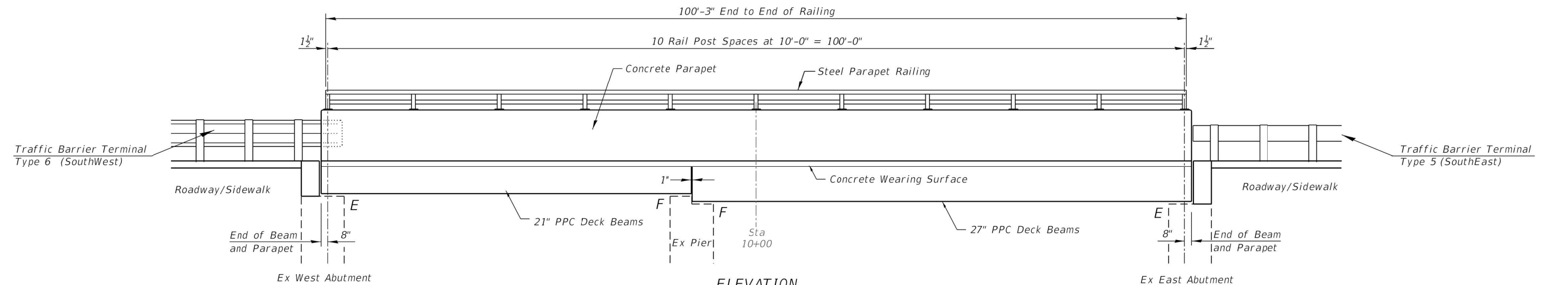


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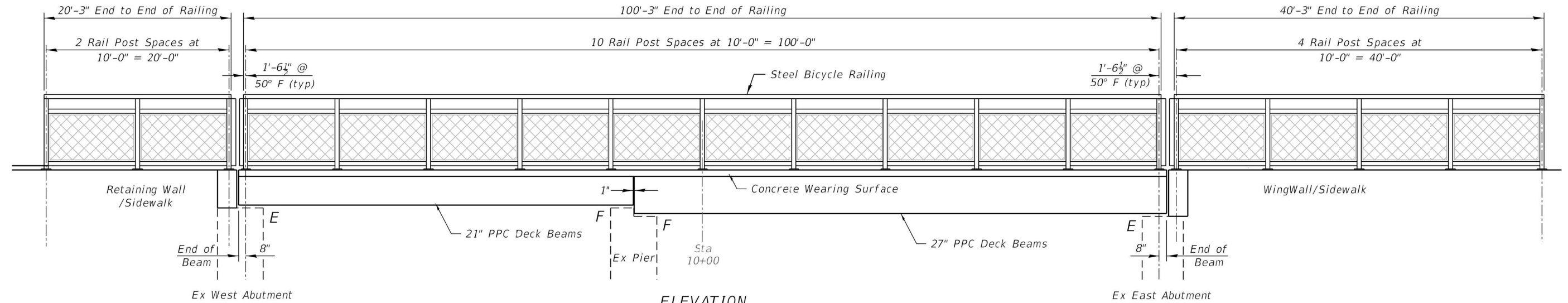
### ELEVATION

Concrete Parapet (Looking Northerly)  
Showing Inside Face of North Parapet  
Note: See Sheets 8 & 9 of 18 for concrete parapet details.



### ELEVATION

Parapet Railing (Looking Northerly)  
Showing Rail Post Spaces and Back Wall of South Parapet  
Note: See Sheet 10 of 18 for steel railing details.



### ELEVATION

Bicycle Railing (Looking Northerly)  
Showing Rail Post Spaces  
Note: See Sheet 10 of 18 for steel railing details.



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

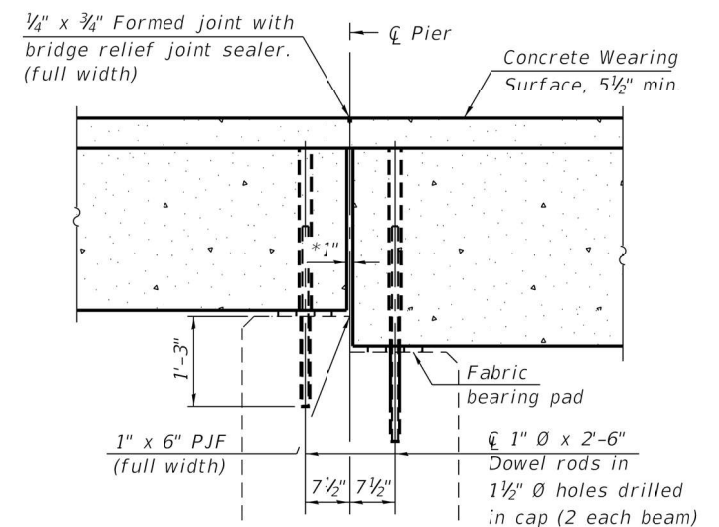
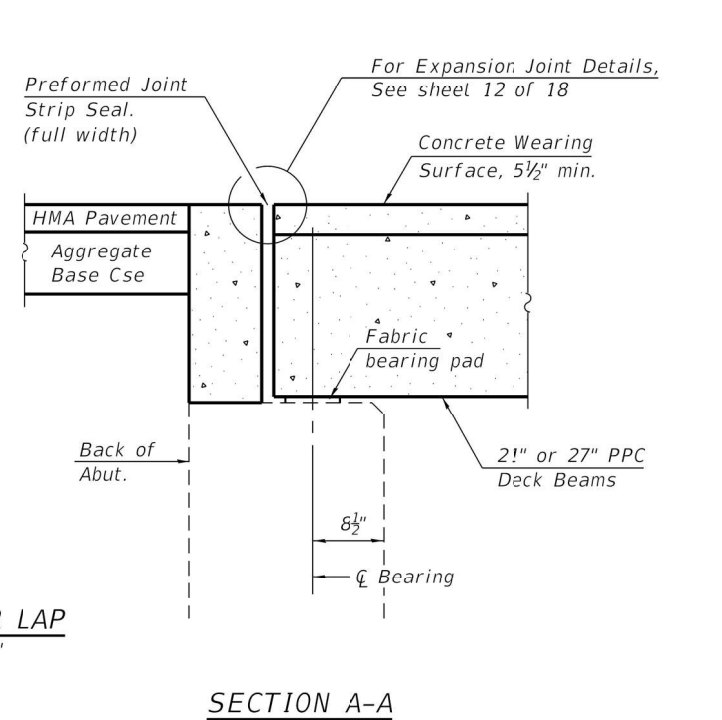
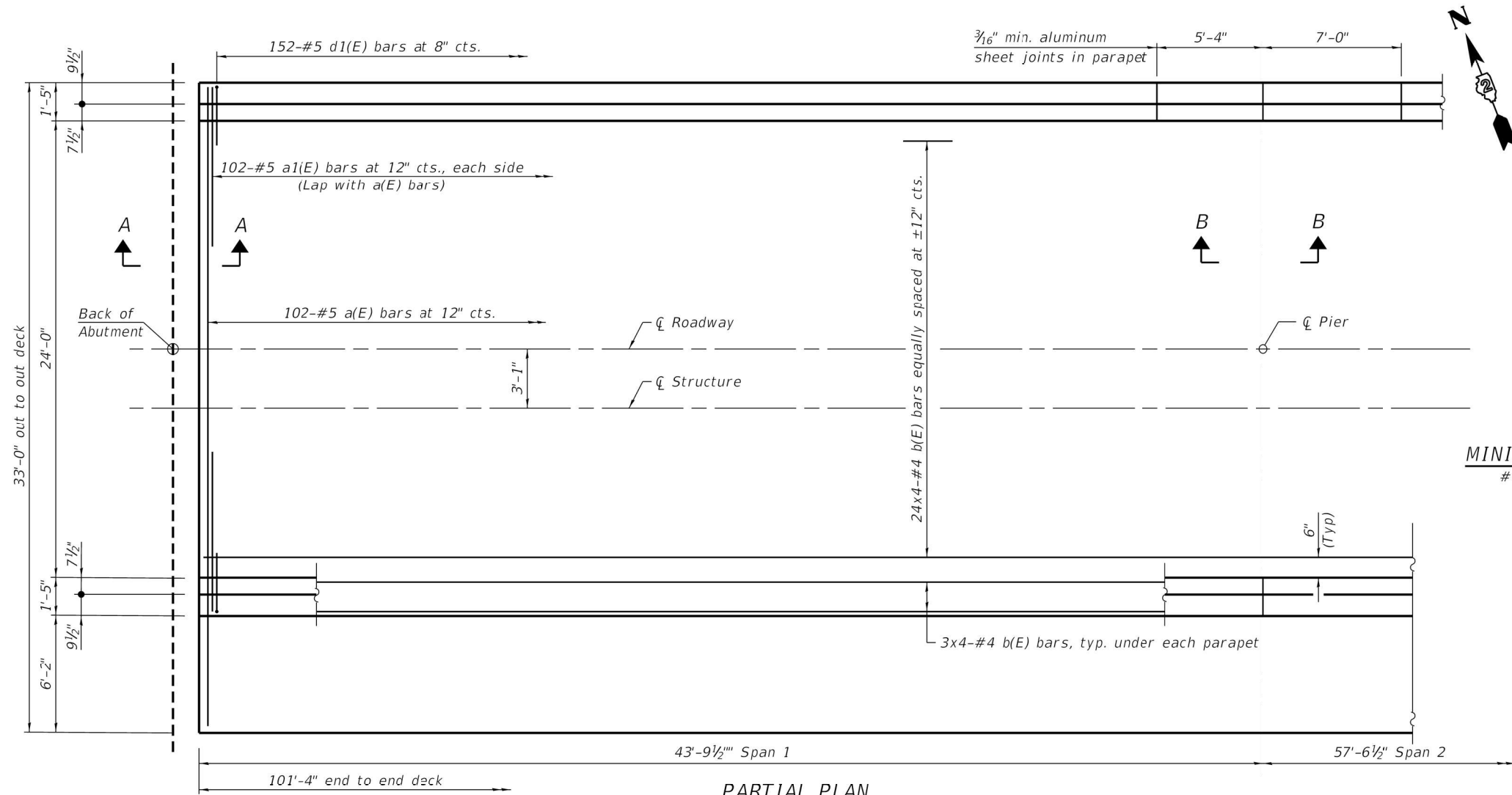
SUPERSTRUCTURE  
STRUCTURE No. 098-3751

SHEET 7 OF 18 SHEETS

| RT.    | SECTION          | COUNTY    | TOTAL SHEETS              | SHEET NO. |
|--------|------------------|-----------|---------------------------|-----------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE | 37                        | 21        |
|        |                  |           | CONTRACT No. 46944        |           |
|        |                  |           | ILLINOIS FED. AID PROJECT |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

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8/23/2025 9:50:57 PM



\*1" Jt. shall be filled with non-shrink grout.  
1" dimension may vary to accommodate tolerance in beam lengths.

Notes:  
See sheet 9 of 18 for Concrete Parapet Details and Bill of Material.  
Bars indicated thus 20x2-#4 etc. indicates 20 lines of #4 bars with 2 lengths per line.  
Concrete wearing surface shall be placed prior to casting approach slab.  
See sheets 4 & 6 of 18 for fabric bearing pad details.

**CROSS SECTION**  
(Looking Easterly)



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
| PLOT SCALE =          | CHECKED - MAH     | REVISED - |
| PLOT DATE = 8/22/2025 | DRAWN - JEB       | REVISED - |
|                       | CHECKED - MAH/DHC | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

SUPERSTRUCTURE DETAILS  
STRUCTURE No. 098-3751

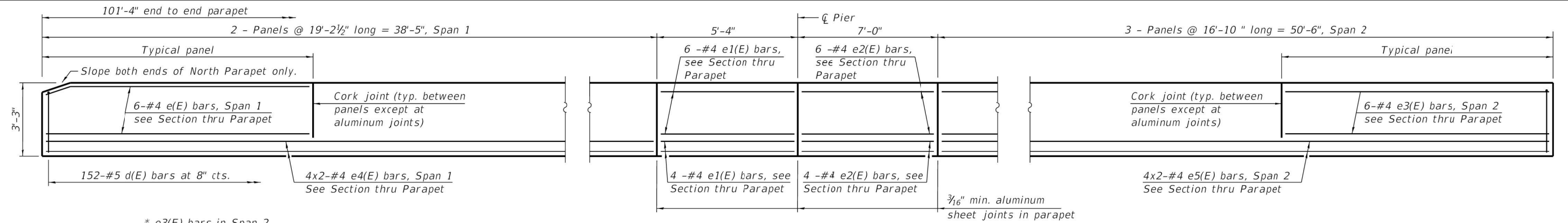
SHEET 8 OF 18 SHEETS

| ROUTE              | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
|--------------------|------------------|-----------|--------------|-----------|
| 2nd St             | HC BRIDGE REPAIR | WHITESIDE | 37           | 22        |
| CONTRACT No. 46944 |                  |           |              |           |

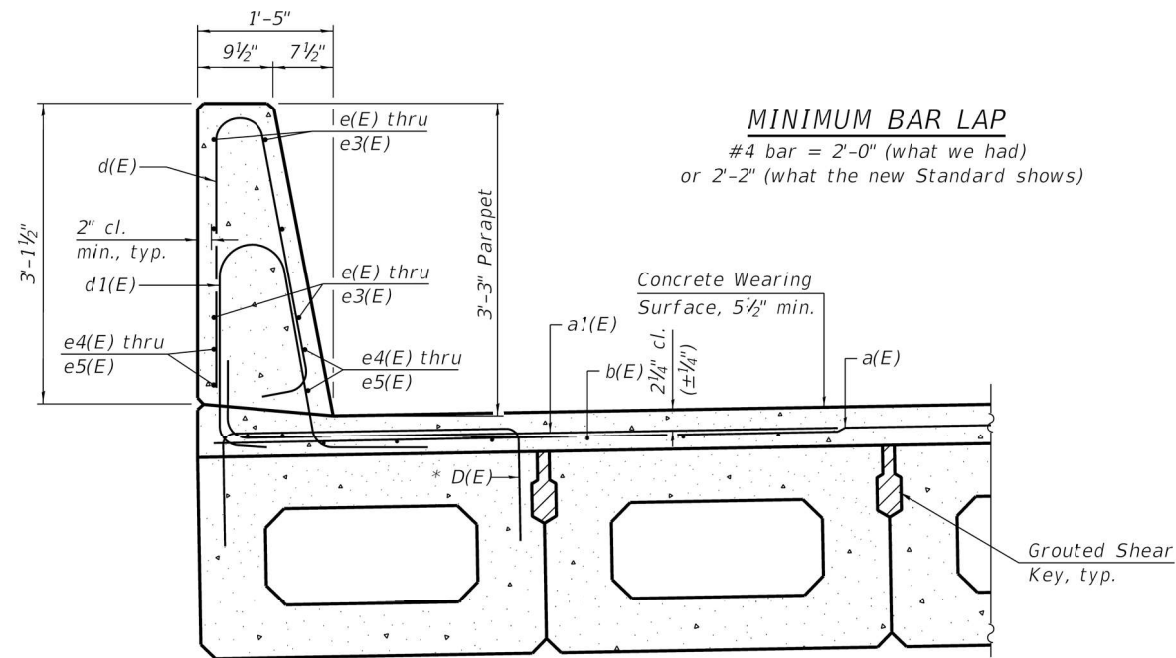
ILLINOIS FED. AID PROJECT

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939

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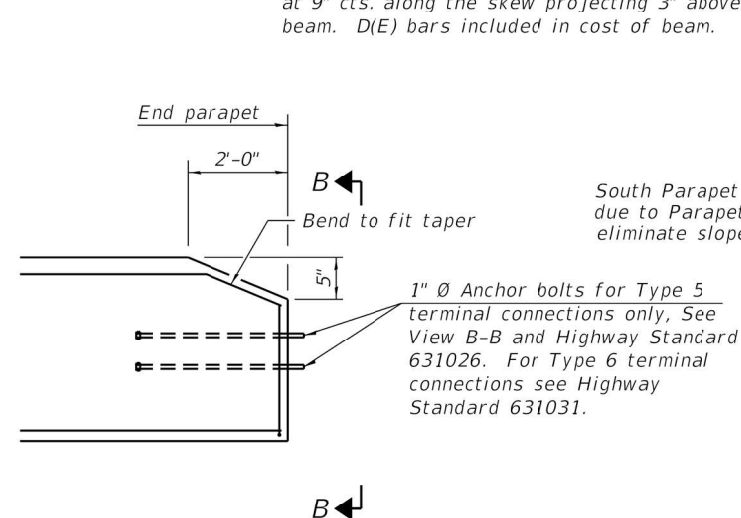


### INSIDE ELEVATION OF PARAPET

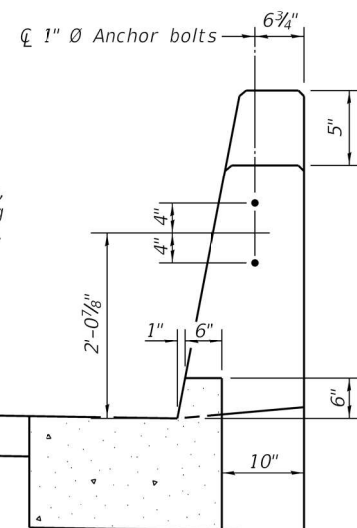


### SECTION THRU PARAPET

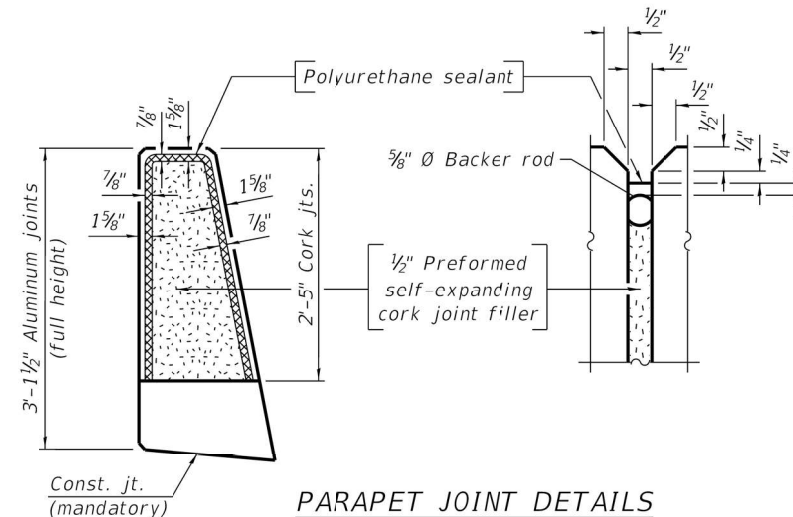
\* Place #4 D(E) bars in beams under parapets at 9" cts. along the skew projecting 3" above beam. D(E) bars included in cost of beam.



### INSIDE ELEVATION OF NORTH PARAPET



### VIEW B-B



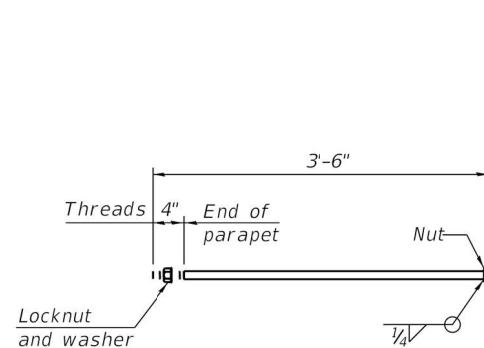
### PARAPET JOINT DETAILS

Note:

The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

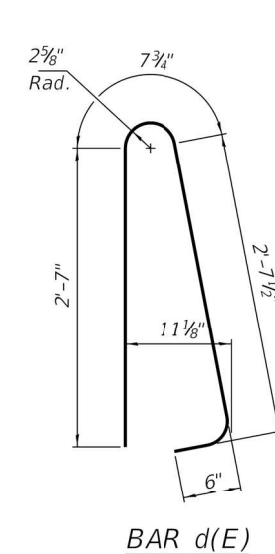
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

Parapet concrete shall be paid for as Concrete Superstructure.

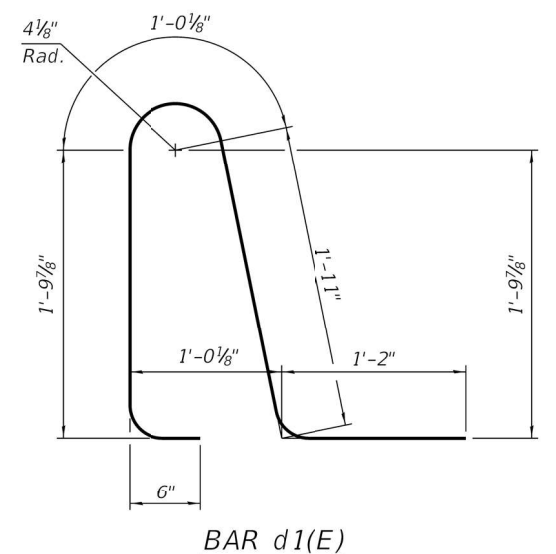


### \* 1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)



### BAR d(E)



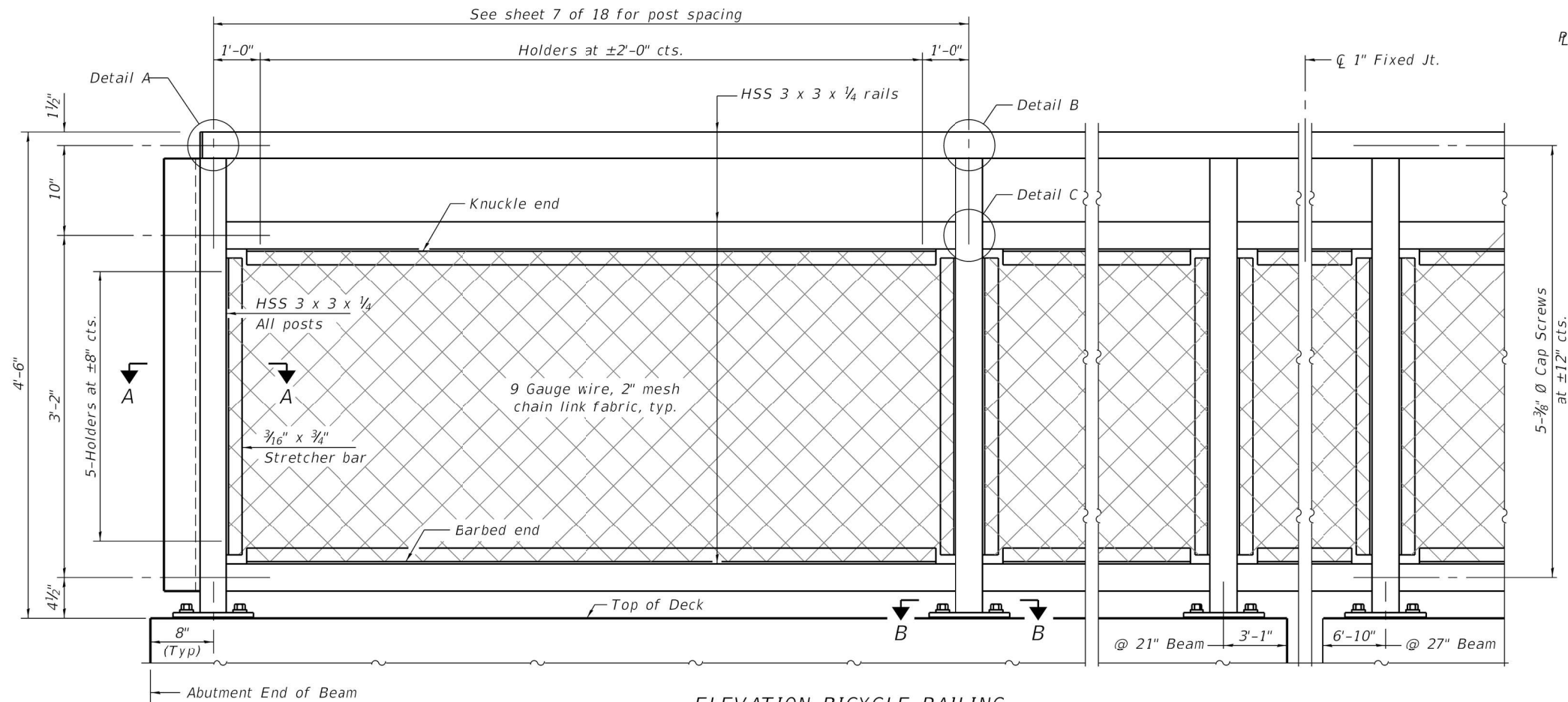
### BAR d1(E)

### SUPERSTRUCTURE BILL OF MATERIAL

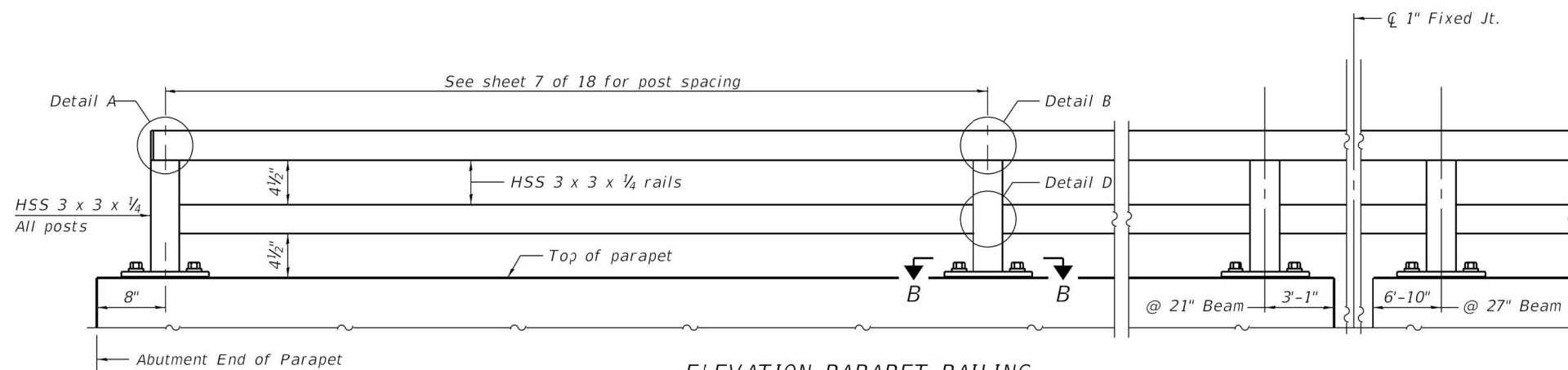
| Bar                                   | No. | Size | Length  | Shape  |
|---------------------------------------|-----|------|---------|--------|
| a'(E)                                 | 102 | #5   | 32'-8"  | —      |
| a1(E)                                 | 204 | #5   | 7'-4"   | └─┘    |
| b'(E)                                 | 120 | #4   | 26'-6"  | —      |
| d'(E)                                 | 304 | #5   | 6'-5"   | └─┘    |
| d1(E)                                 | 304 | #5   | 6'-3"   | └─┘    |
| e'(E)                                 | 12  | #4   | 18'-11" | —      |
| e1(E)                                 | 10  | #4   | 5'-0"   | —      |
| e2(E)                                 | 10  | #4   | 6'-8"   | —      |
| e3(E)                                 | 18  | #4   | 16'-6"  | —      |
| e4(E)                                 | 8   | #4   | 20'-1"  | —      |
| e5(E)                                 | 8   | #4   | 26'-1"  | —      |
| Reinforcement Bars, Epoxy Coated      |     |      | Pound   | 11,850 |
| Concrete Superstructure               |     |      | Cu. Yd. | 26.3   |
| Conc. Wearing Sur.f. (Variable Depth) |     |      | Sq. Yd. | 372    |

Bars indicated thus: 4x2-#4 etc. indicates 4 lines of #4 bars with 2 lengths per line.

MODEL: Default  
FILE NAME: \\ksp\fs1\sp\share\0700\DOT-IDNR-Park-Roads\0702-0001-0008\_PTB207\_055\_W08\_Hennepin\_Feeder\_Canal\_Design\_and\_Planning\CADD\CAD Sheets\098-3751 Structure Plans\246944-shit 024\_0983751-010-Bicycle Railing.dgn  
8/23/2025 9:52:56 PM



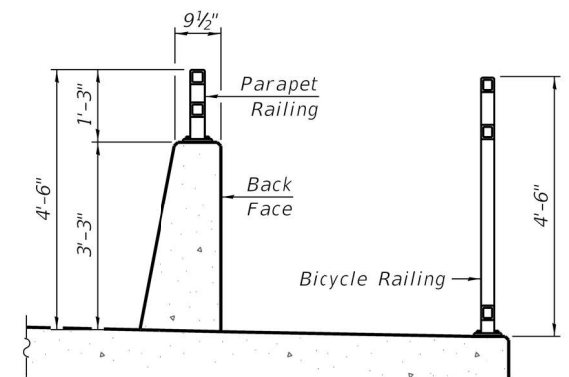
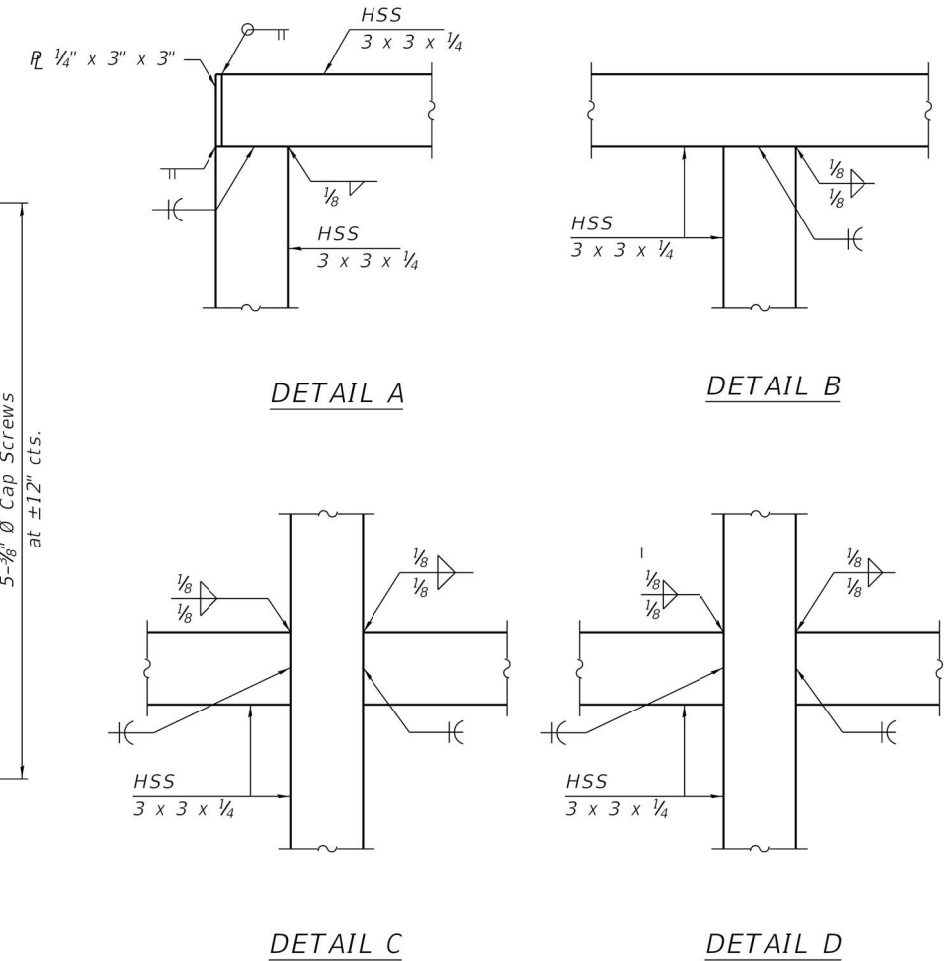
**ELEVATION BICYCLE RAILING**  
Showing Railing on Bridge Deck  
Railing on Sidewalk similar  
(Inside face)



**ELEVATION PARAPET RAILING**  
(Inside face)

**RAILING CRITERIA**

|                              |        |
|------------------------------|--------|
| MASH 2016 Test Level         | 4      |
| Parapet Railing Weight (plf) | 25     |
| Bicycle Railing Weight (plf) | 50     |
| Max Post Spacing             | 10'-0" |



**SECTION THRU DECK**

(Sheet 1 of 2)



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

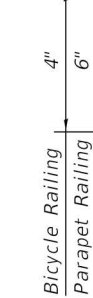
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

**BICYCLE RAILING AND PARAPET RAILING**  
**STRUCTURE No. 098 - 3751**

SHEET 10 OF 18 SHEETS

| RTE.     | SECTION          | COUNTY    | TOTAL SHEETS       | SHEET NO. |
|----------|------------------|-----------|--------------------|-----------|
| 2nd St   | HC BRIDGE REPAIR | WHITESIDE | 37                 | 24        |
|          |                  |           | CONTRACT No. 46944 |           |
| ILLINOIS |                  |           | FED. AID PROJECT   |           |

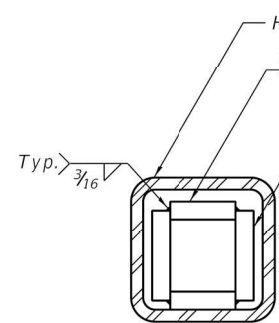
JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



## ANCHORAGE ASSEMBLY

*The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.*

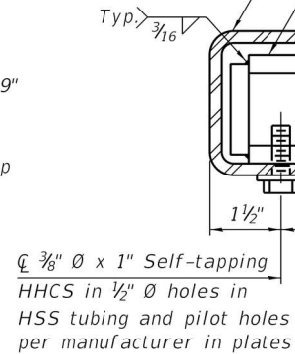
*In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.*



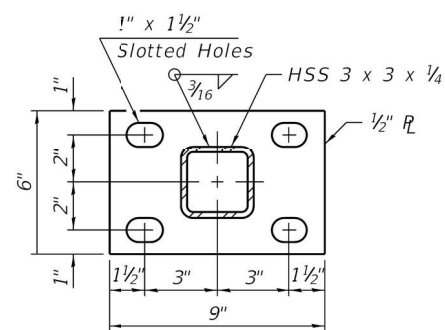
## EXPANSION SPLICE

| <i>Location</i>                   | <i>T</i> | <i>A</i> | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> |
|-----------------------------------|----------|----------|----------|----------|----------|----------|
| <i>Over Strip Seal Jt.</i>        | ≤4"      | 2½"      | 1'-2"    | 2'-4"    | 6"       | 7"       |
| <i>Over Finger or Modular Jt.</i> | ≤9½"     | 5½"      | 1'-7¾"   | 3'-3½"   |          |          |
| <i>Over Finger or Modular Jt.</i> | ≤15"     | 8½"      | 2'-1½"   | 4'-2½"   |          |          |

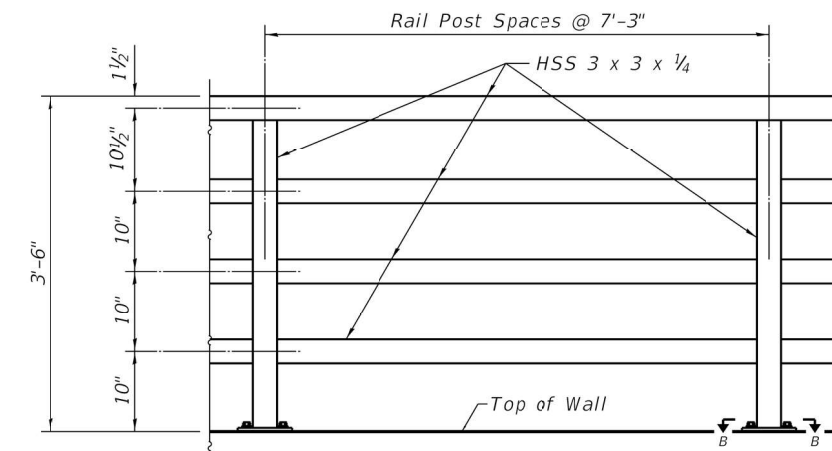
$T =$  ; total movement based on total temperature range from  $-20^{\circ}\text{F}$  to  $120^{\circ}\text{F}$  along centerline of roadway at expansion joint.



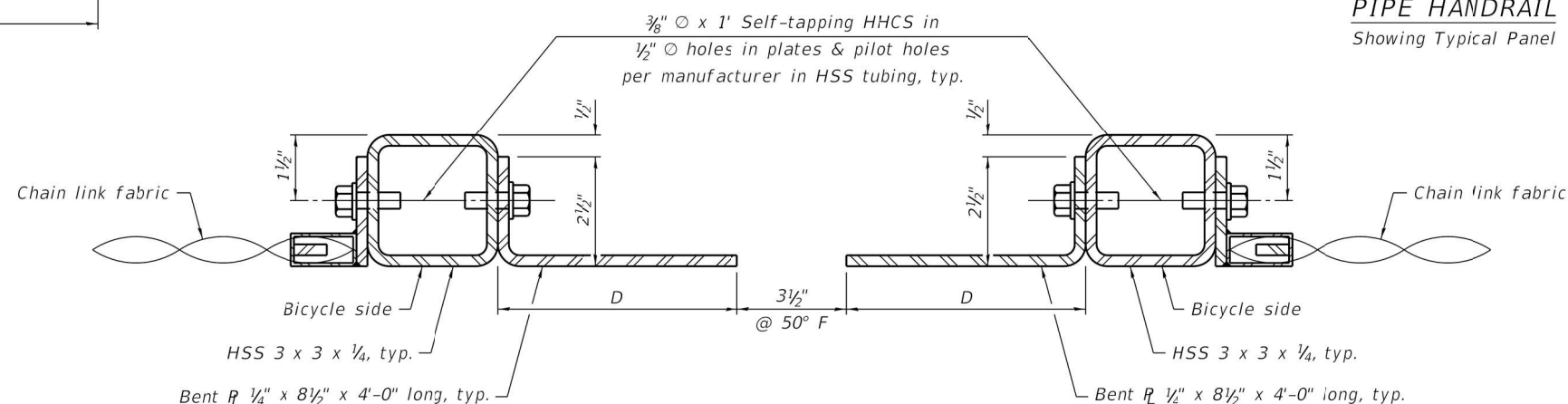
## MATERIAL SPLICE



## SECTION B-B



PIPE HANDRAIL  
Showing Typical Panel



SECTION A-A

### BILL OF MATERIAL

| Item            | Unit | Quantity |
|-----------------|------|----------|
| Bicycle Railing | Foot | 100      |
| Parapet Railing | Foot | 100      |
| Pipe Handrail   | Foot | 37       |

(Sheet 2 of 2)

**VK VEENSTRA & KIMM INC.**  
A Kleinfelder Company

|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

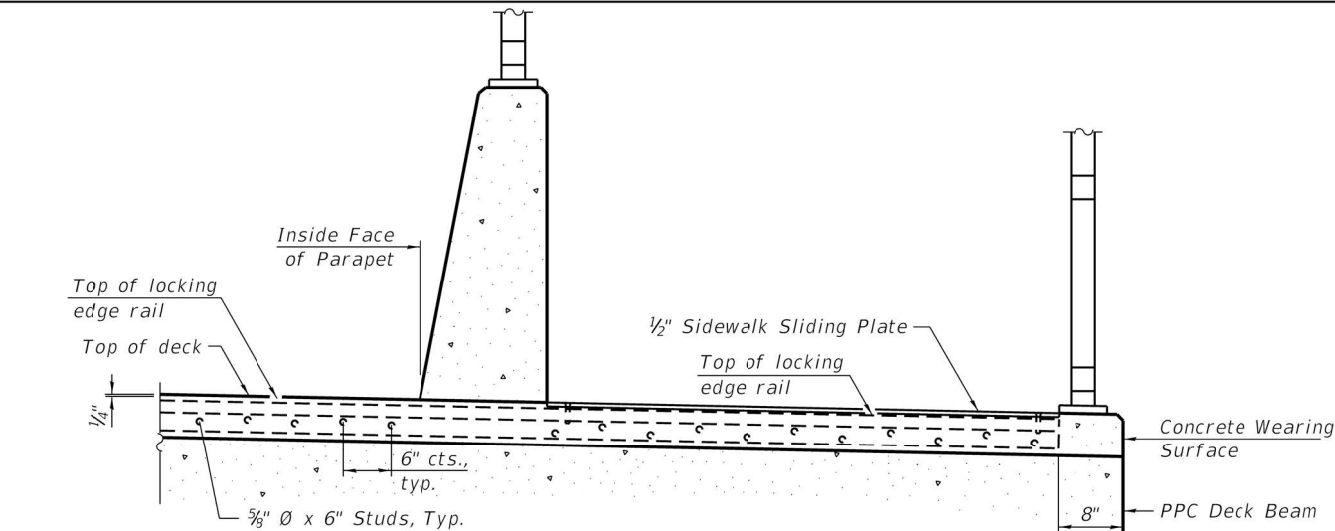
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

**BICYCLE RAILING AND PARAPET RAILING  
STRUCTURE No. 098 - 3751**

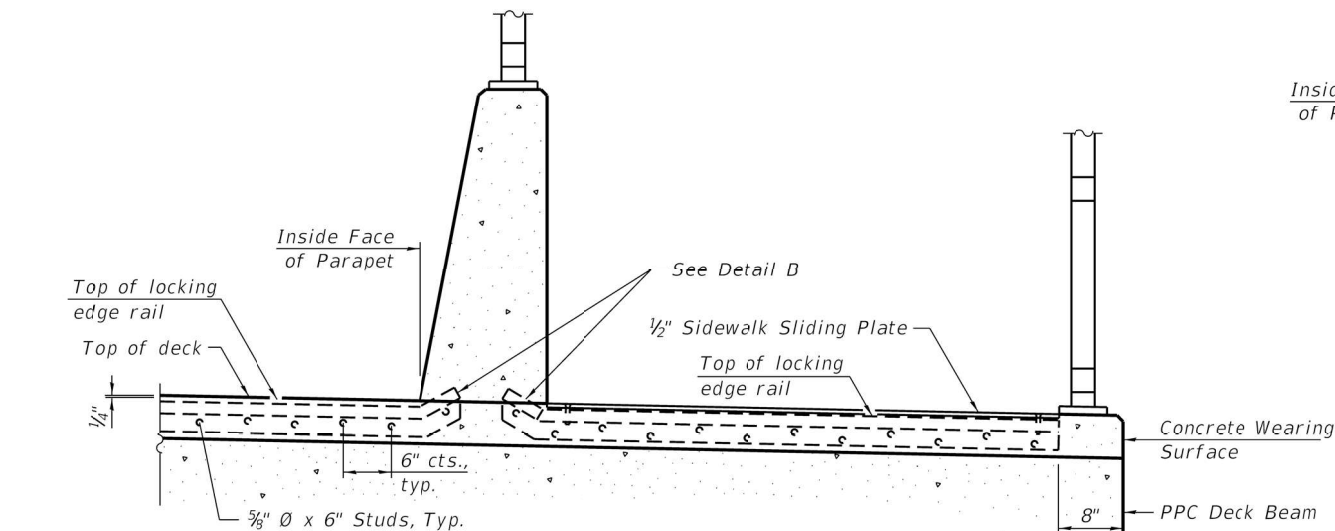
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|--------|------------------|-------------------|------------------|-----------|
| RTE.   | SECTION          | COUNTY            | TOTAL SHEETS     | SHEET NO. |
| 2nd St | HC BRIDGE REPAIR | WHITESIDE         | 37               | 25        |
|        |                  | CONTRACT No. 4694 |                  |           |
|        |                  | ILLINOIS          | FED. AID PROJECT |           |



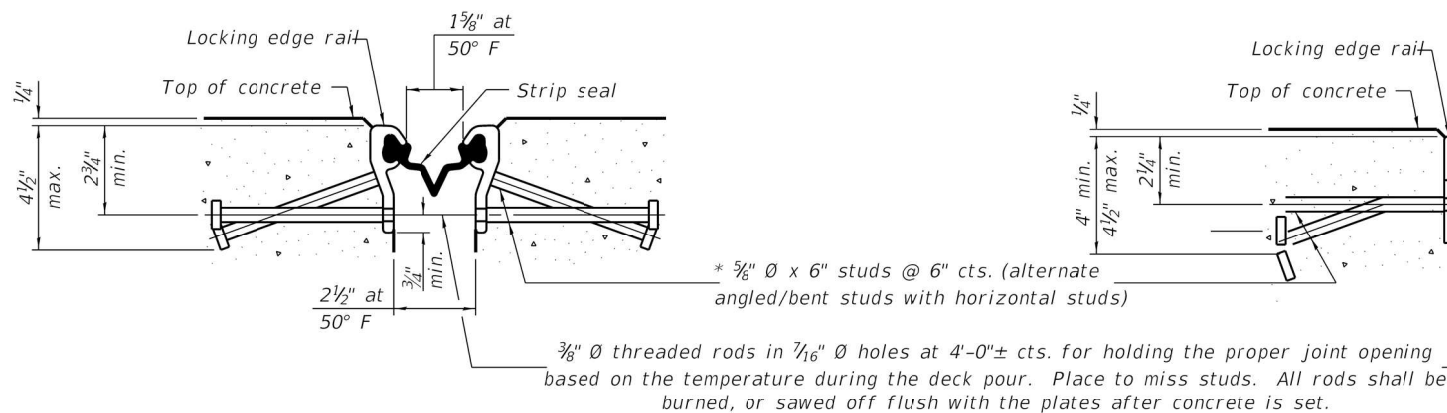
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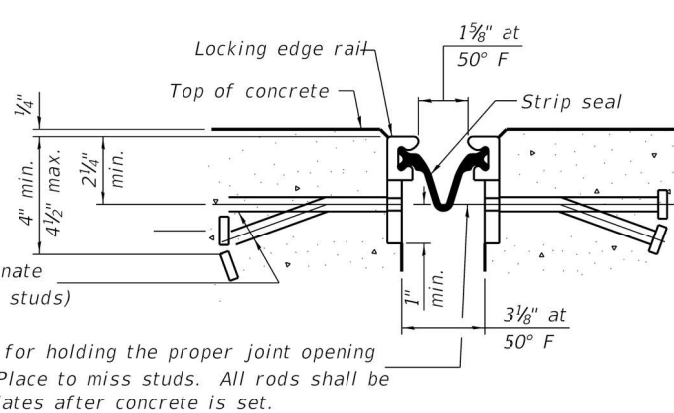
SECTION AT DECK LEVEL SIDEWALK  
WEST ABUTMENT  
Skew = 0°  
(Looking East)



SECTION AT DECK LEVEL SIDEWALK  
EAST ABUTMENT  
Skew = 0°  
(Looking East)



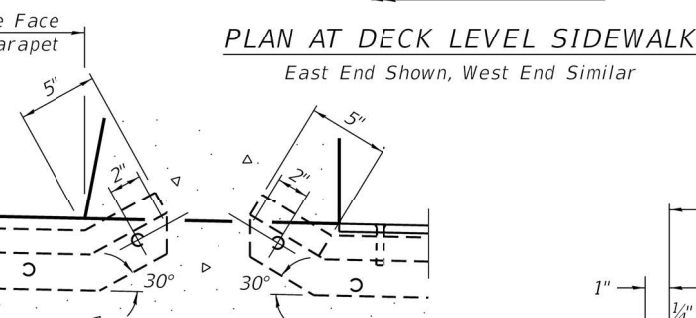
SHOWING ROLLED RAIL JOINT



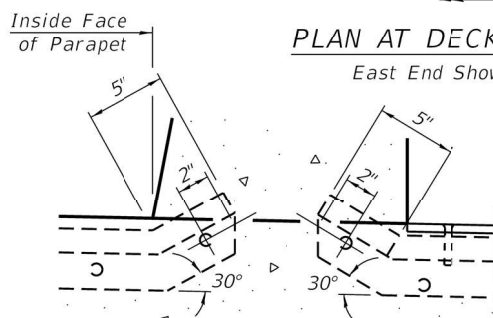
SHOWING WELDED RAIL JOINT

SECTION A-A

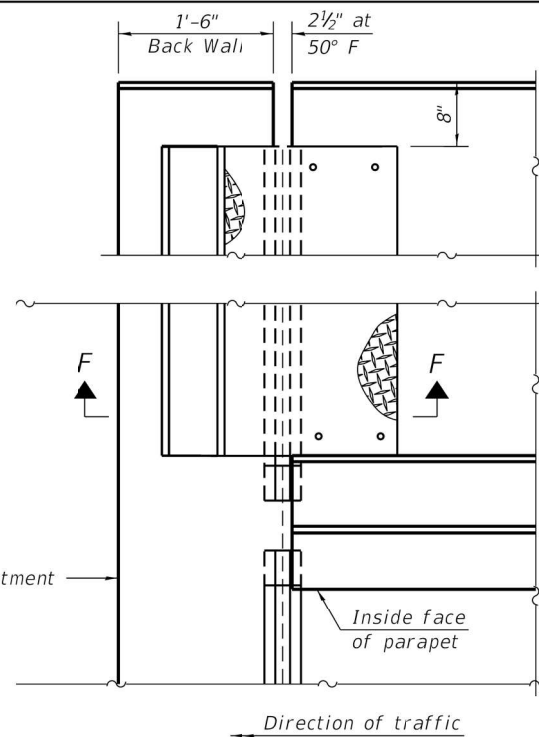
\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



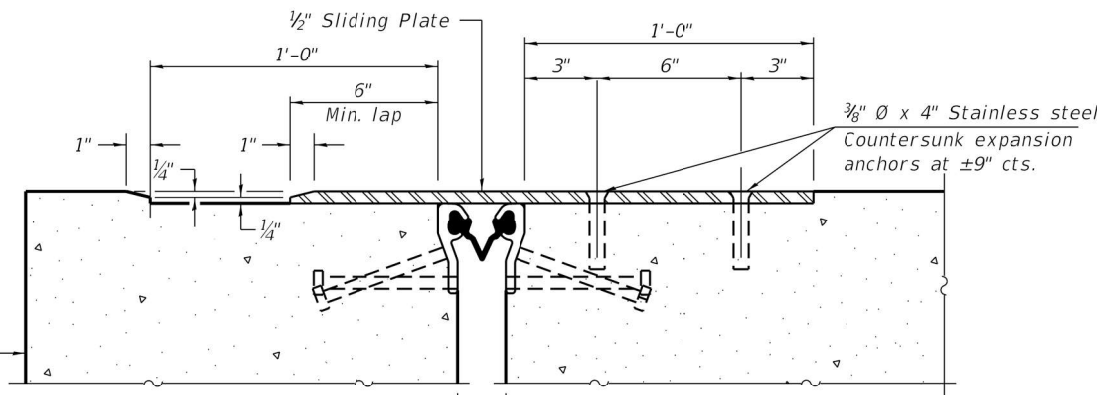
PLAN AT DECK LEVEL SIDEWALK  
East End Shown, West End Similar



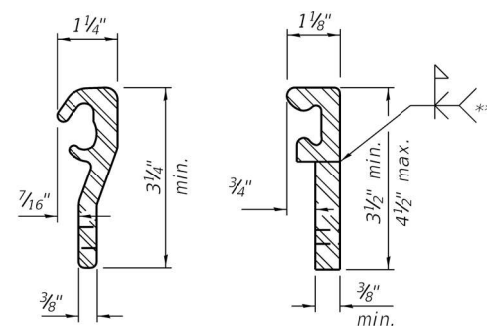
DETAIL B  
Kick-up at parapet locations shown.  
See sheet X of 18 for  
kick-up at curb locations



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. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.  
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.  
The manufacturer's recommended installation methods shall be followed.  
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.  
The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.  
Cost of sidewalk sliding plates and expansion anchors included with Preformed Joint Strip Seal.  
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required.



SECTION F-F

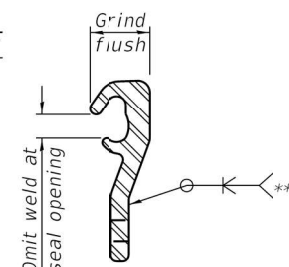


ROLLED  
(EXTRUDED) RAIL

WELDED RAIL

LOCKING EDGE RAILS

\*\* Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.  
Rolled rail shown, welded rail similar.

BILL OF MATERIAL

| Item                       | Unit | Total |
|----------------------------|------|-------|
| Preformed Joint Strip Seal | Foot | 66    |



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

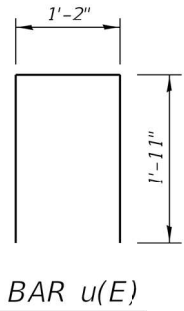
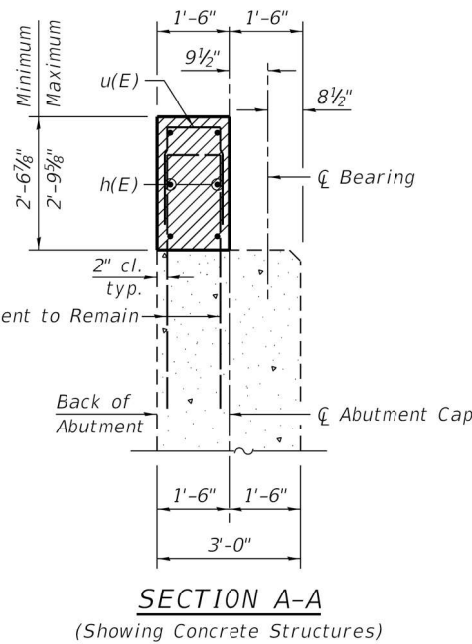
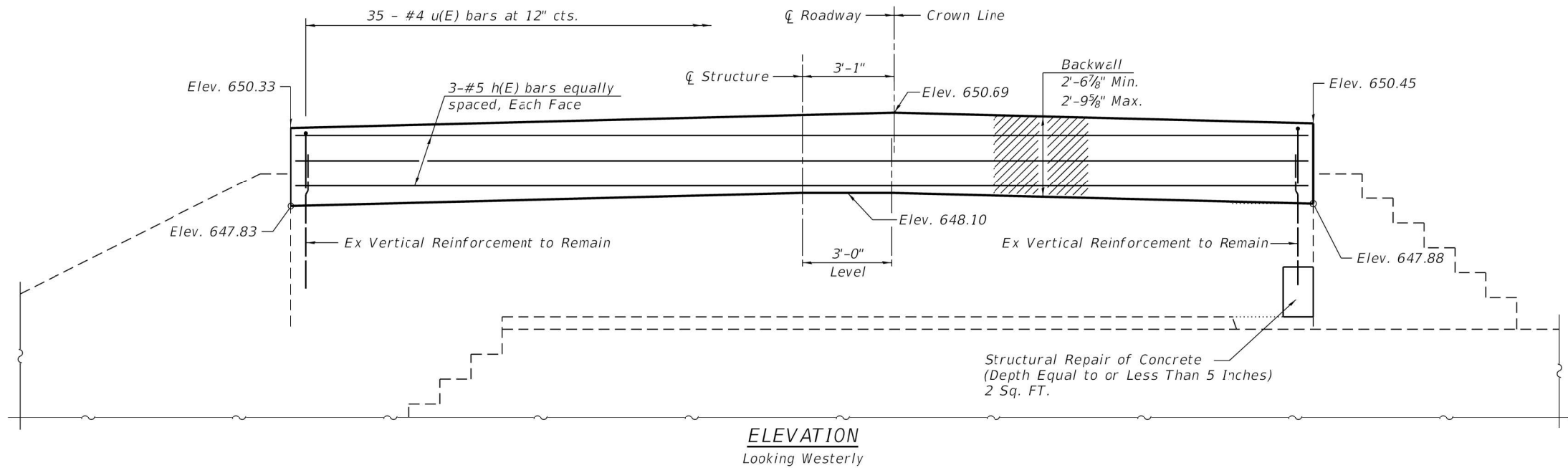
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

PREFORMED JOINT STRIP SEAL  
STRUCTURE No. 098-3751

SHEET 12 OF 18 SHEETS

| RTE.   | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO.                 |
|--------|------------------|-----------|--------------|---------------------------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE | 37           | 26                        |
|        |                  |           |              | CONTRACT No. 46944        |
|        |                  |           |              | ILLINOIS FED. AID PROJECT |

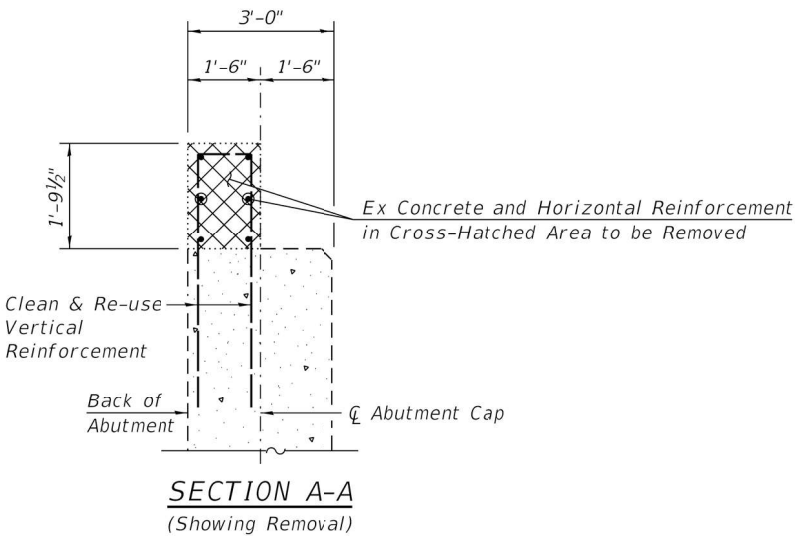
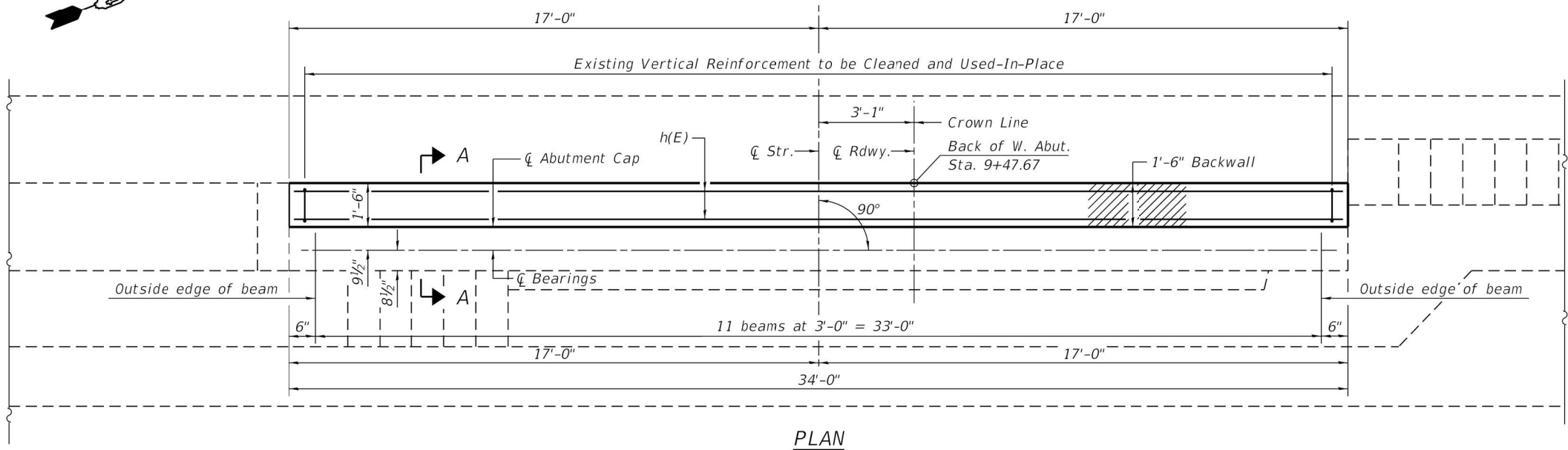
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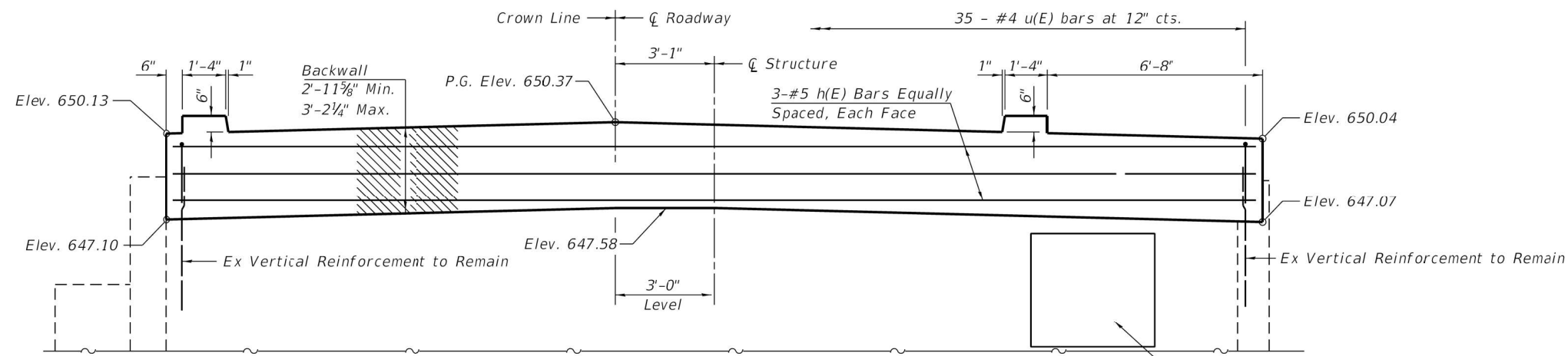


#### BILL OF MATERIAL

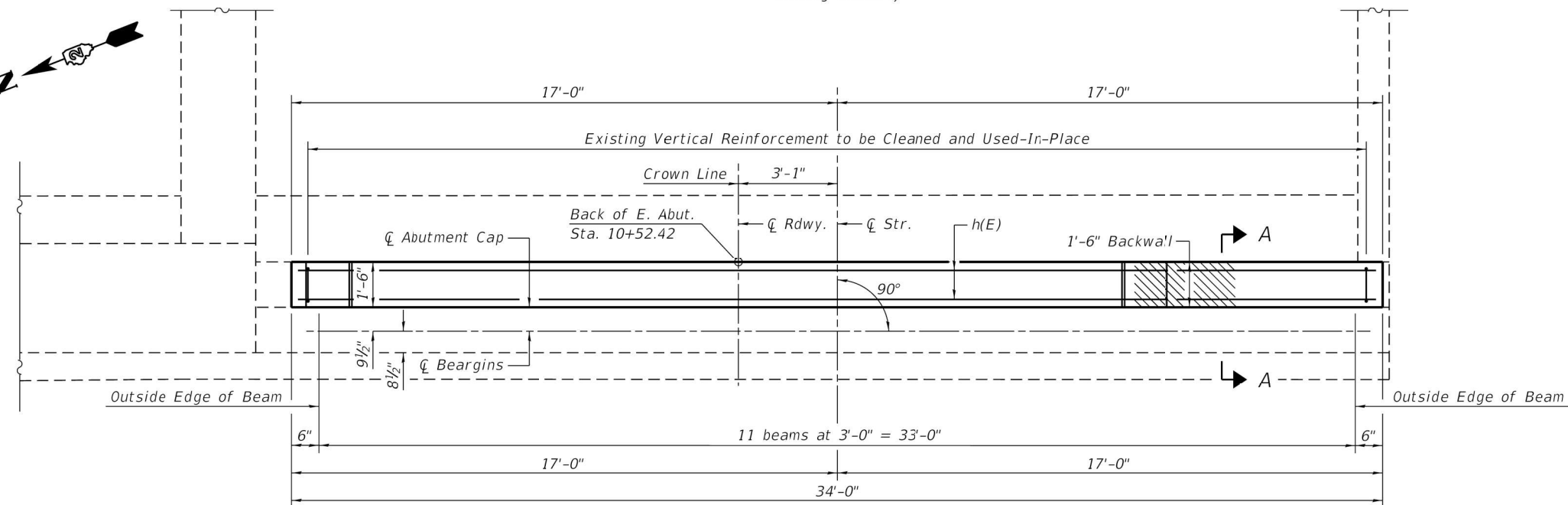
| Bar                                      | No. | Size | Length  | Shape |
|------------------------------------------|-----|------|---------|-------|
| h(E)                                     | 6   | #5   | 33'-8"  |       |
| u(E)                                     | 35  | #4   | 5'-0"   |       |
| Structure Excavation                     |     |      | Cu. Yd. | 8.6   |
| Concrete Removal                         |     |      | Cu. Yd. | 3.4   |
| Concrete Structures                      |     |      | Cu. Yd. | 5.1   |
| Reinforcement Bars, Epoxy Coated         |     |      | Pound   | 330   |
| Str. Repair of Conc. (Depth =< 5 Inches) |     |      | Sq Ft.  | 2     |

Notes:  
All exposed edges shall have standard  $\frac{3}{4}$ " chamfer unless noted otherwise.  
Hatched area shall be pourea after beams are anchored in place.

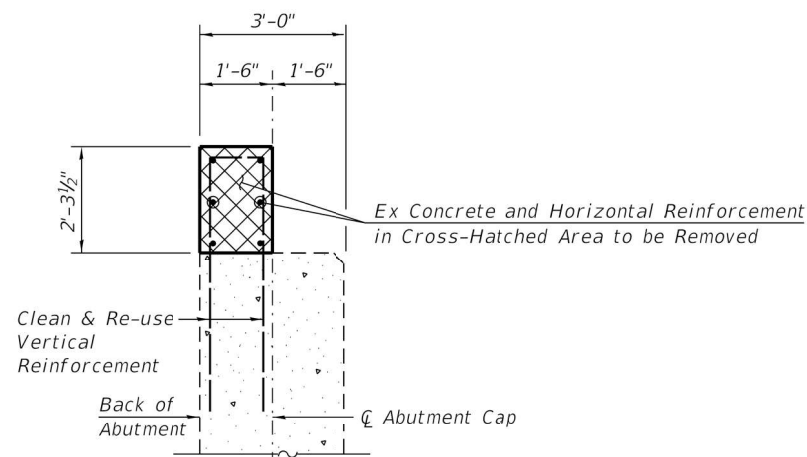




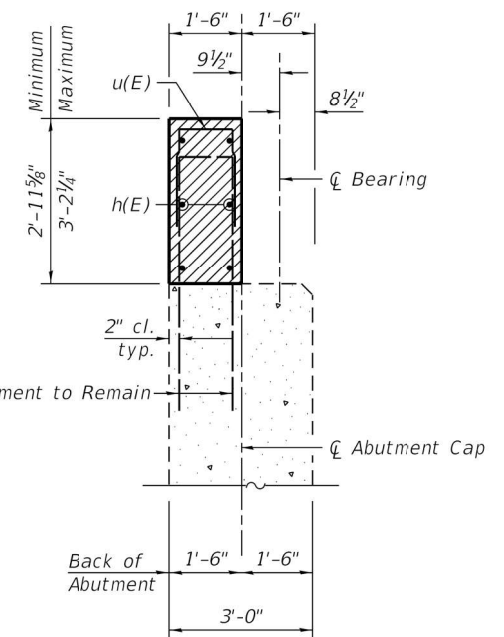
ELEVATION  
Looking Easterly



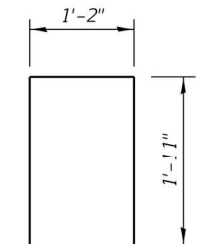
PLAN



SECTION A-A  
(Showing Removal)



SECTION A-A  
(Showing Concrete Structures)

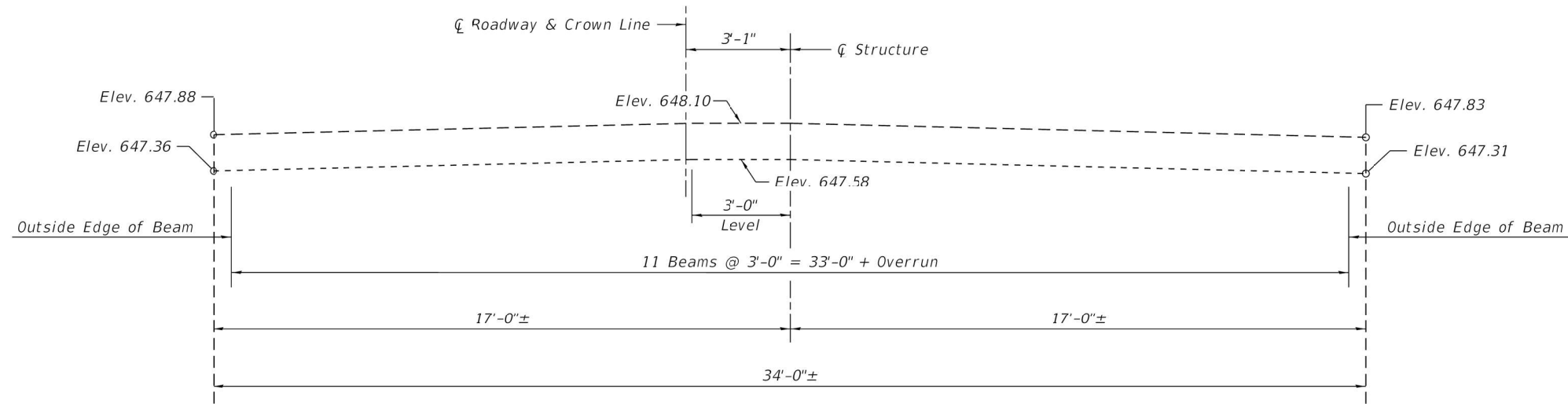

$$BAR \ u(E)$$

BILL OF MATERIAL

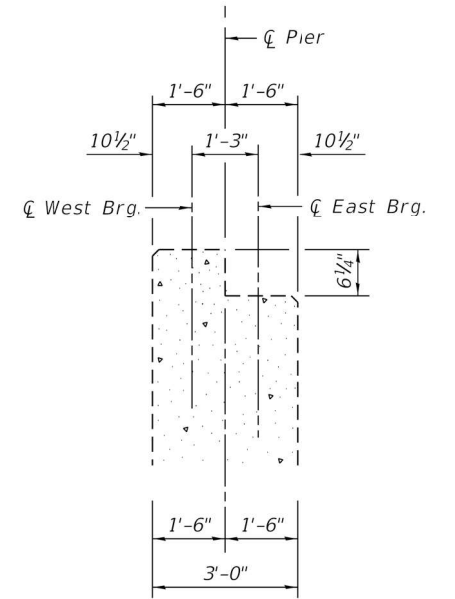
| Bar                                         | No. | Size | Length  | Shape                                                                                 |
|---------------------------------------------|-----|------|---------|---------------------------------------------------------------------------------------|
| h(E)                                        | 6   | #5   | 33'-8"  |  |
| u(E)                                        | 35  | #4   | 5'-0"   |  |
| Structure Excavation                        |     |      | Cu. Yd. | 11.8                                                                                  |
| Concrete Removal                            |     |      | Cu. Yd. | 4.3                                                                                   |
| Concrete Structures                         |     |      | Cu. Yd. | 5.8                                                                                   |
| Reinforcement Bars,<br>Epoxy Coated         |     |      | Pound   | 330                                                                                   |
| Str. Repair of Conc.<br>(Depth =< 5 Inches) |     |      | Sq. Ft. | 15                                                                                    |

Notes:  
All exposed edges shall have standard  $\frac{3}{4}$ " chamfer unless noted otherwise.  
Hatched area shall be poured after beams are anchored in place.

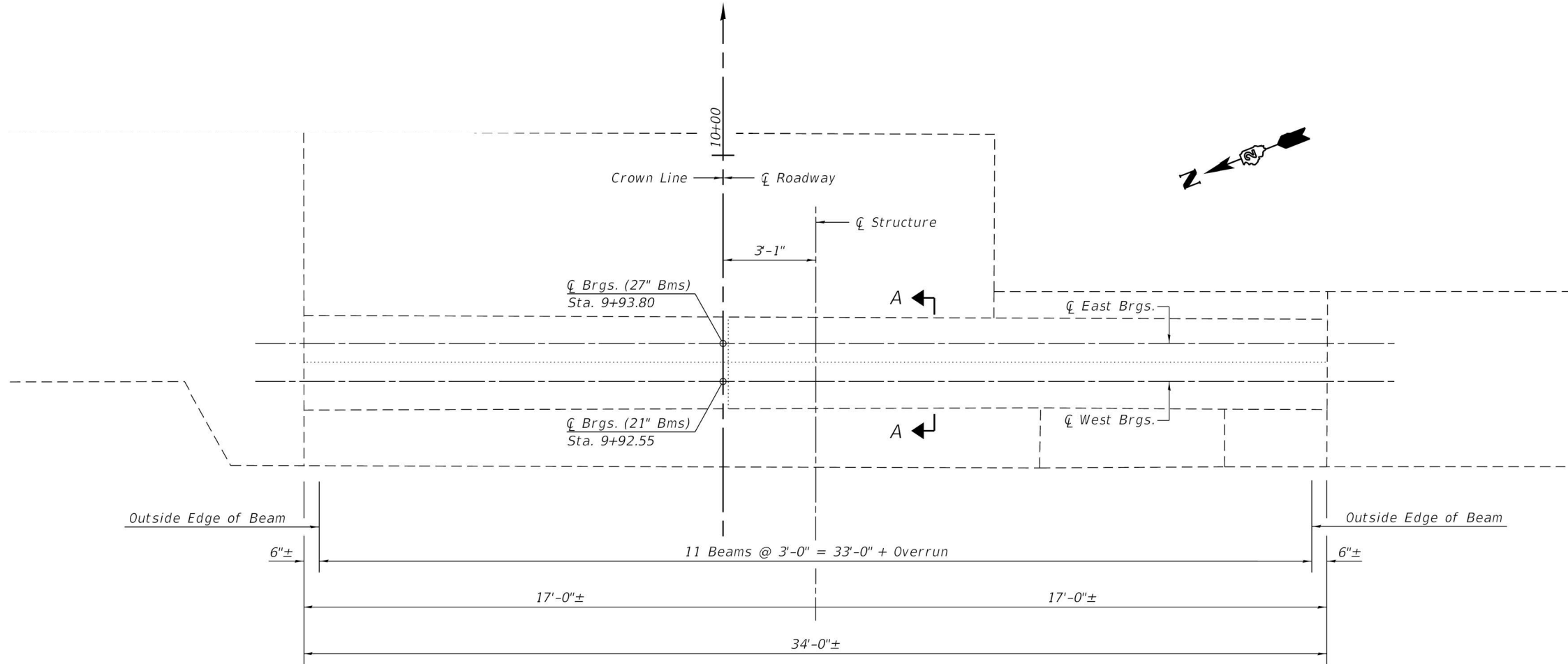
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8/23/2025 10:01:28 PM



**ELEVATION**  
Looking Easterly



**SECTION A-A**



**PLAN**

FOR INFORMATION ONLY



|                       |                   |           |
|-----------------------|-------------------|-----------|
| USER NAME =           | DESIGNED - DHC    | REVISED - |
|                       | CHECKED - MAH     | REVISED - |
| PLOT SCALE =          | DRAWN - JEB       | REVISED - |
| PLOT DATE = 8/22/2025 | CHECKED - MAH/DHC | REVISED - |

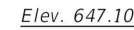
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

EXISTING PIER  
STRUCTURE No. 098 - 3751

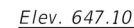
SHEET 15 OF 18 SHEETS

| RT.    | SECTION          | COUNTY    | TOTAL SHEETS              | SHEET NO. |
|--------|------------------|-----------|---------------------------|-----------|
| 2nd St | HC BRIDGE REPAIR | WHITESIDE | 37                        | 29        |
|        |                  |           | CONTRACT No. 46944        |           |
|        |                  |           | ILLINOIS FED. AID PROJECT |           |

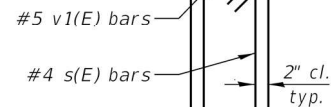
JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



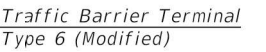
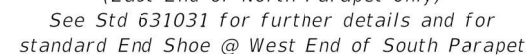
CONCRETE REMOVAL  
(Looking South)



CONCRETE REPAIR  
(Looking South)



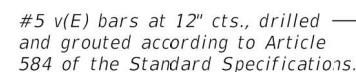
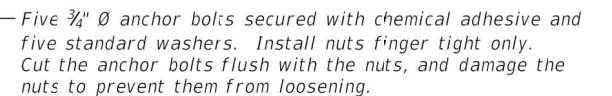
SECTION B-B



ELEVATION  
(Looking North)



EAST END OF NORTH PARAPET



SECTION A-A

### BILL OF MATERIAL

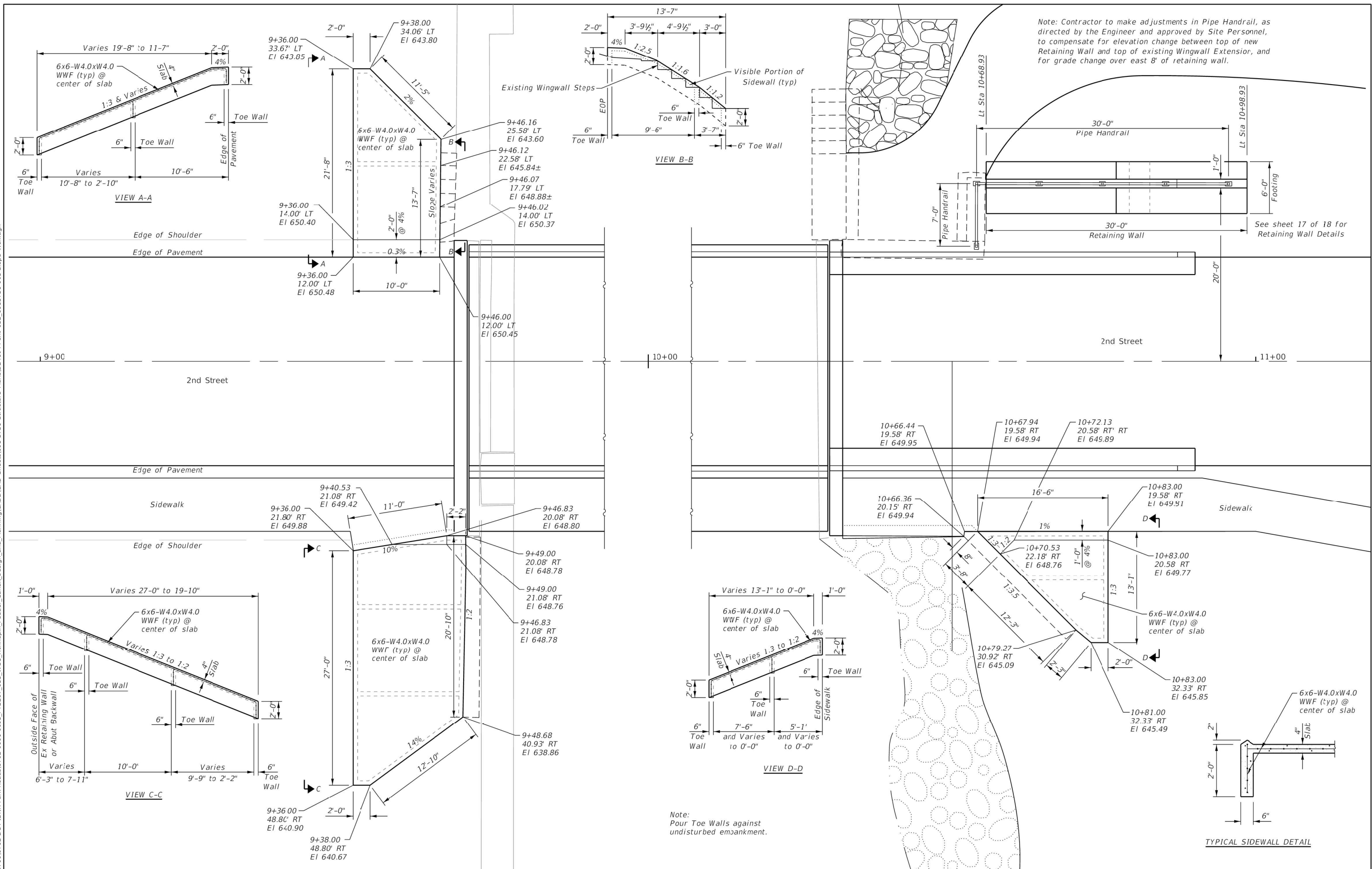
| Bar                                 | No. | Size | Length  | Shape                                                                                 |
|-------------------------------------|-----|------|---------|---------------------------------------------------------------------------------------|
| h1(E)                               | 8   | #5   | 14'-6"  | ————                                                                                  |
| s(E)                                | 6   | #4   | 5'-9"   |  |
| v(E)                                | 28  | #5   | 3'-10"  | ————                                                                                  |
| v1(E)                               | 4   | #5   | 7'-10"  | ————                                                                                  |
| Concrete Removal                    |     |      | Cu. Yd. | 3.4                                                                                   |
| Concrete Structures                 |     |      | Cu. Yd. | 4.2                                                                                   |
| Reinforcement Bars,<br>Epoxy Coated |     |      | Pound   | 290                                                                                   |
|                                     |     |      |         |                                                                                       |

Notes:  
All exposed edges shall have standard  $\frac{3}{4}$ " chamfer  
unless noted otherwise.

*Revised details for the Traffic Barrier Terminal at the Northeast corner of the bridge are included with Traffic Barrier Terminal, Type 6.*









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

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

MODEL: Default  
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|                              |                  |           |
|------------------------------|------------------|-----------|
| USER NAME = jbeque           | DESIGNED - JEB   | REVISED - |
|                              | DRAWN - JEB      | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - RHD    | REVISED - |
| PLOT DATE = 9/4/2025         | DATE - 8-22-2025 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 2nd STREET

SCALE: 10'H 5'V    SHEET 1 OF 5 SHEETS    STA. 7+50.00    TO STA. 8+75.00

|                           |                  |           |              |           |
|---------------------------|------------------|-----------|--------------|-----------|
| F.A. RTE.                 | SECTION          | COUNTY    | TOTAL SHEETS | SHEET NO. |
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37           | 33        |
| CONTRACT NO. 46944        |                  |           |              |           |
| ILLINOIS FED. AID PROJECT |                  |           |              |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



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

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

MODEL: Default  
FILE NAME: J:\07000\0702 DOT (DNR) Park Roads\0702-0001-0008 PTE207 005 W08 Hennipin Feeder Canal Design and Planning\CAD\CAD Sheets\0702-0001-0008-003-037 VSC 2nd Street.dgn



|           |             |
|-----------|-------------|
| USER NAME | = jbeque    |
| DESIGNED  | - JEB       |
| DRAWN     | - JEB       |
| CHECKED   | - RHD       |
| DATE      | - 8-22-2025 |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 2nd STREET

SCALE: 10'H 5'V    SHEET 2 OF 5 SHEETS    STA. 9+00.00    TO STA. 9+47.67

|                           |                  |           |                 |              |
|---------------------------|------------------|-----------|-----------------|--------------|
| F.A.<br>RTE.              | SECTION          | COUNTY    | TOTAL<br>SHEETS | SHEET<br>NO. |
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37              | 34           |
| CONTRACT NO. 46944        |                  |           |                 |              |
| ILLINOIS FED. AID PROJECT |                  |           |                 |              |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



| FINAL<br>SURVEY<br>NOTE BOOK<br>NO. | SURVEYED<br>PLOTTED<br>TEMPLATE<br>AREAS<br>CHECKED | BY | DATE |
|-------------------------------------|-----------------------------------------------------|----|------|
|                                     |                                                     |    |      |

| ORIGINAL<br>SURVEY<br>NOTE BOOK<br>NO. | SURVEYED<br>PLOTTED<br>TEMPLATE<br>AREAS<br>CHECKED | BY | DATE |
|----------------------------------------|-----------------------------------------------------|----|------|
|                                        |                                                     |    |      |

MODEL: Default  
FILE NAME: J:\07000702.DOT (BMR Park Road)0702-0001-0008\_PTE207\_005 W08 Hennipin Feeder Canal Design and Planning(CAD)CAD Sheets\0246944-rlt 033-037\_VSC 2nd Street.dgn



|                              |                  |           |
|------------------------------|------------------|-----------|
| USER NAME = jbeque           | DESIGNED - JEB   | REVISED - |
|                              | DRAWN - JEB      | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - RHD    | REVISED - |
| PLOT DATE = 9/4/2025         | DATE - 8-22-2025 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 2nd STREET

SCALE: 10'H 5'V    SHEET 3 OF 5 SHEETS    STA. 9+75.00    TO STA. 10+52.42

| F.A.<br>RTE.              | SECTION          | COUNTY    | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|------------------|-----------|-----------------|--------------|
| 2nd St                    | HC BRIDGE REPAIR | WHITESIDE | 37              | 35           |
| CONTRACT NO. 46944        |                  |           |                 |              |
| ILLINOIS FED. AID PROJECT |                  |           |                 |              |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



| FINAL<br>SURVEY<br>NOTE BOOK<br>NO. | SURVEYED<br>PLOTTED<br>TEMPLATE<br>AREAS<br>CHECKED | BY | DATE |
|-------------------------------------|-----------------------------------------------------|----|------|
|                                     |                                                     |    |      |

| ORIGINAL<br>SURVEY<br>NOTE BOOK<br>NO. | SURVEYED<br>PLOTTED<br>TEMPLATE<br>AREAS<br>CHECKED | BY | DATE |
|----------------------------------------|-----------------------------------------------------|----|------|
|                                        |                                                     |    |      |

MODEL: Default  
FILE NAME: J:\07000702 DOT (DNR Park Roads)0702-0001-0008 PTE207 005 W08 Hennipin Feeder Canal Design and Planning\CAD\CAD Sheets\ID246944-rlt 033-037 VSC 2nd Street.dgn



|                             |                  |           |
|-----------------------------|------------------|-----------|
| USER NAME = jbeque          | DESIGNED - JEB   | REVISED - |
|                             | DRAWN - JEB      | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - RHD    | REVISED - |
| PLOT DATE = 9/4/2025        | DATE - 8-22-2025 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 2nd STREET

SCALE: 10'H 5'V    SHEET 4 OF 5 SHEETS    STA. 10+57.50    TO STA. 10+87.50

| F.A.<br>RTE.       | SECTION          | COUNTY           | TOTAL<br>SHEETS | SHEET<br>NO. |
|--------------------|------------------|------------------|-----------------|--------------|
| 2nd St             | HC BRIDGE REPAIR | WHITESIDE        | 37              | 36           |
| CONTRACT NO. 46944 |                  |                  |                 |              |
| ILLINOIS           |                  | FED. AID PROJECT |                 |              |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939



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

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

MODEL: Default  
FILE NAME: J:\07000\0702.DOT (BNSF Park Road)\0702-0001-0008\_PTE207\_055 W08 Hennipin Feeder Canal Design and Planning\CAD\CAD Sheets\0702-0001-0008\_PTE207\_055 W08 2nd Street.dgn



|           |             |
|-----------|-------------|
| USER NAME | = jbeque    |
| DESIGNED  | - JEB       |
| DRAWN     | - JEB       |
| CHECKED   | - RHD       |
| DATE      | - 8-22-2025 |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 2nd STREET

SCALE: 10'H 5'V    SHEET 5 OF 5 SHEETS    STA. 11+00.00 TO STA. 12+00.00

|        |                  |                  |                    |           |
|--------|------------------|------------------|--------------------|-----------|
| RT.    | SECTION          | COUNTY           | TOTAL SHEETS       | SHEET NO. |
| 2nd St | HC BRIDGE REPAIR | WHITESIDE        | 37                 | 37        |
|        |                  |                  | CONTRACT NO. 46944 |           |
|        | ILLINOIS         | FED. AID PROJECT |                    |           |

JOB No. 7021-008 VEENSTRA & KIMM, INC. DESIGN FIRM REGISTRATION NUMBER 184-001939